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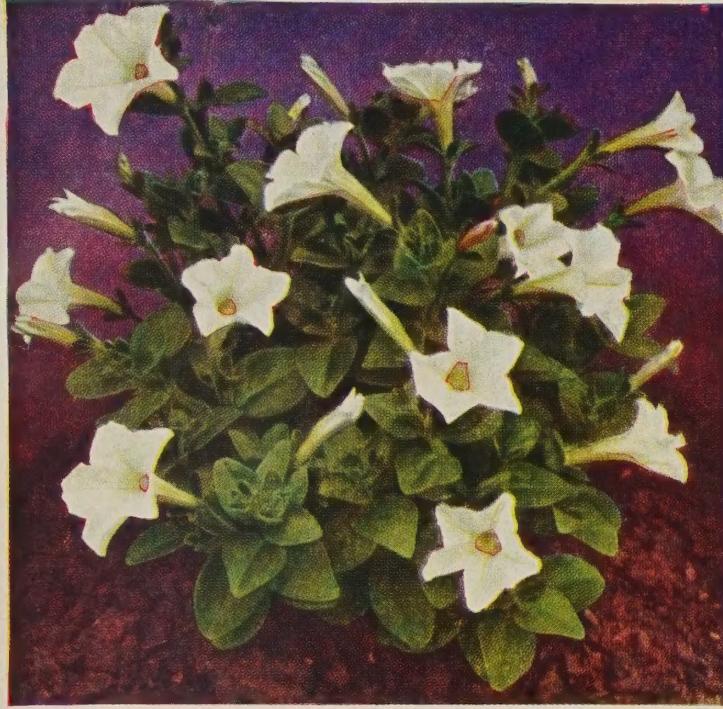
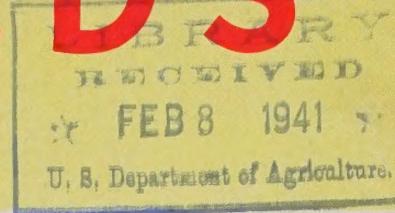
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Ind.

MEYER SEEDS

31st Edition • 1941



PETUNIA, Snow White. Pkt. 25c



PETUNIA, First Lady. Silver Medal
Pkt. 25c



ZINNIA, Black Ruby. Bronze Medal
Pkt. 25c



MARIGOLD, Mission Giants,
Goldsmith. Orange. Pkt. 25c
Orange and Yellow, Mixed.
Pkt. 25c



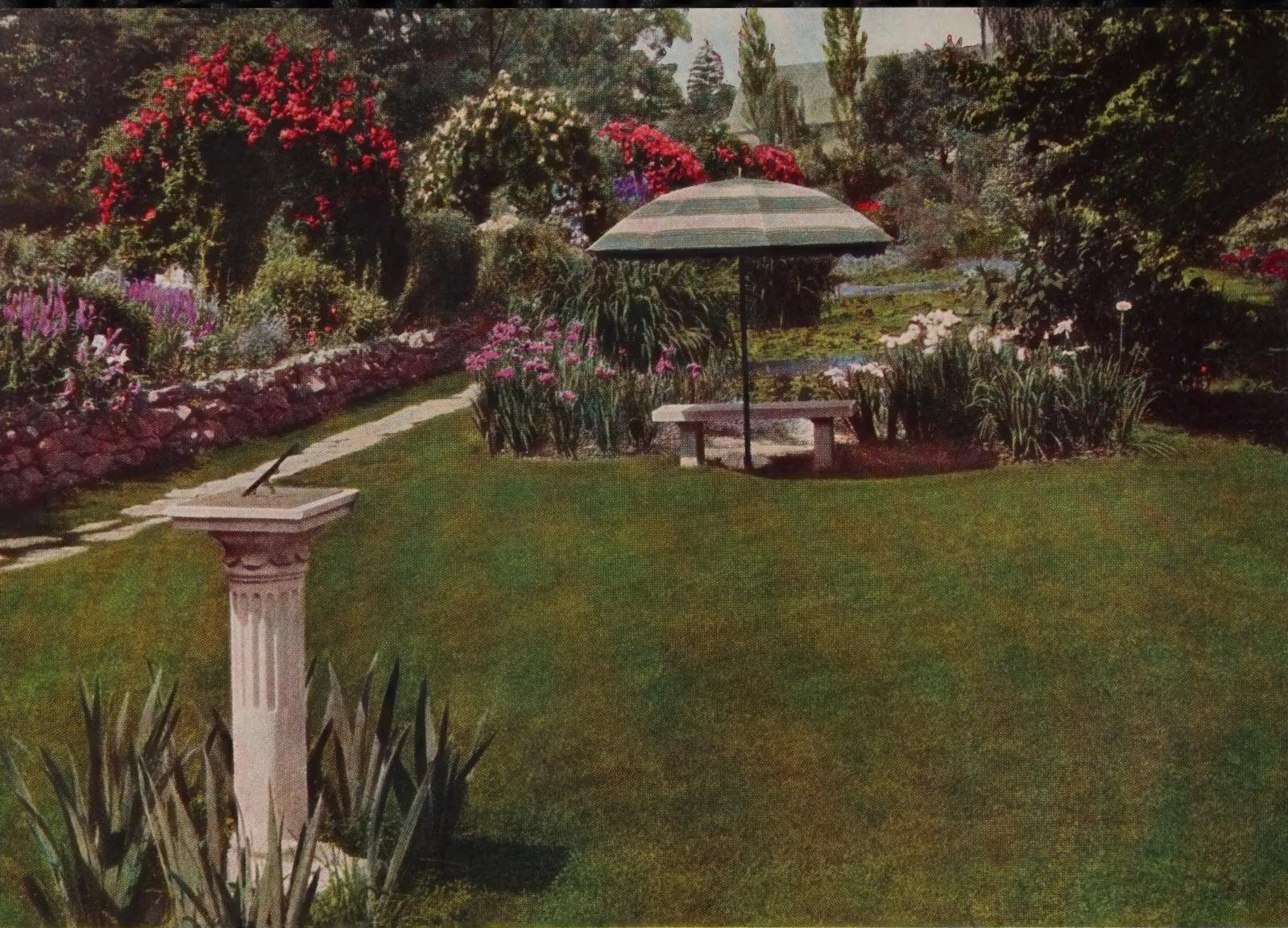
MARIGOLD, Spry. Silver Medal
Pkt. 25c

FIVE FINE
ANNUALS
including Four
All-America Winners
for 1941 \$1.00

The MEYER SEED CO.

34-36 LIGHT ST.
Tel. Lex.-6170-6171

BALTIMORE, MD.



M.-S. Lawn Grasses BACKED BY MANY YEARS' REPUTATION

M. - S. Roland Park Lawn Grass. Next to the house, the most important thing about a home is a beautiful lawn, and to establish a lawn which will retain its rich green color and springy velvety turf throughout the entire summer and fall, we have prepared a mixture of the best grasses to which just enough clover has been added to make it the best possible for this purpose. With our clean grass seed, free from weed seed, to start with, it is easy to have a turf of which you will be proud. For making a new lawn, 75 to 100 pounds per acre are required, or for renovating old lawns, 40 to 50 pounds per acre. To bring this down to small lawns, a plot 10 by 20, or 200 square feet, requires 1 pound for a new lawn or $\frac{1}{2}$ pound for renovating.

Lb. 40c; 3 lbs. \$1.15; 5 lbs. \$1.85; 10 lbs. \$3.50; bus. (30 lbs.) \$10.00

M.-S. TERRACE MIXTURE. This consists of quick-growing, deep-rooted grasses which will prevent washing. It is the finest Terrace Mixture we have ever seen.

**Lb. 40c; 3 lbs. \$1.15; 5 lbs. \$1.85; 10 lbs. \$3.50;
bus. (30 lbs.) \$10.00**

M.-S. SHADY NOOK GRASS. This fine mixture is made up of grasses which will thrive in shade and will give you a nice green carpet under your trees.

Lb. 50c; 5 lbs. \$2.25; 10 lbs. \$4.00; bus. (30 lbs.) \$11.25

M.-S. SEASHORE LAWN GRASS. This mixture is adapted for the lawns of water-front properties where excessive moisture in the air demands special grasses.

Lb. 50 cts.; 5 lbs. \$2.25; 10 lbs. \$4.00; bus. (30 lbs.) \$11.25

POA TRIVIALIS. For shady situations, this grass has no equal.

Lb. 80c; 5 lbs. \$3.75

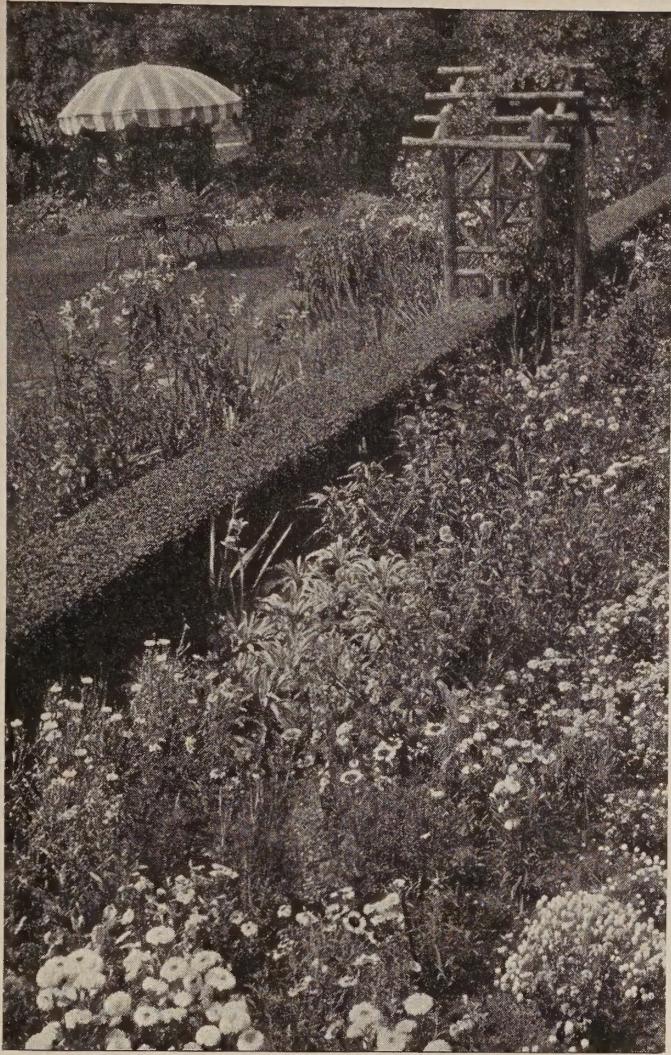
Special prices on grasses in larger quantities on application. If wanted by Parcel Post, add as to zones. Prices subject to change

M.-S. LAWN and PLANT FOOD

This is a complete organic plant-food and soil-enricher for lawns, flowers, vegetables, shrubs, trees, etc. After many years of testing we believe this to be the best plant-food on the market today. Whether growing grass, vegetables, or flowers, the soil must be fed to replace the elements taken out of the ground by the plants, and this plant-food will do just that and keep your plants, whatever they are, in a healthy, productive condition. Nitrogen 6%; phosphoric acid 6%; potash 5%.

5 lbs. 30c; 10 lbs. 55c; 25 lbs. \$1.00; 50 lbs. \$1.75; 100 lbs. \$3.00; 1000 lbs. \$25.00; ton \$48.00

DELIVERED IN BALTIMORE AND VICINITY



1941 GARDEN BOOK

GARDENING is one of those hobbies that offer new surprises each year because there are always new plants to try and some old favorites that we have never grown before. Our 1941 Garden Book contains the best selection of Seeds, Bulbs, Plants, Horticultural, Poultry and Pet Supplies, available at the present time. We are eager that you should know about these things, and we have endeavored to give you as much information as space would permit. As the result of our experience through the years, we have assembled helpful hints which we hope will be useful to you. Our motto is "Punctuality, Sterling Quality, Courteous Treatment," and we do our best to follow it.

All of our seed is tested by modern methods, and nothing of inferior quality is knowingly sent to our clients. Yet, failures sometimes occur due to adverse conditions of nature or other factors beyond our control. To be sure, we are glad to assist our customers in every way possible in the growing of better crops, but we must advise that all of our seeds are sold under the following conditions.

WE GIVE NO WARRANTY, expressed or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs, or plants we send out, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.

THE BOOK OF ANNUALS *By Alfred C. Hottes*

Over 100 genera described with full directions for their care, culture and use. Lists of different annuals for different purposes and a condensed tabular cultural list. 180 pages, 122 illustrations. Cloth \$1.50, postpaid \$1.65.

CITY AND SUBURBAN GARDENING

A book for those who wish to make the most of moderate space. 196 pages, 75 illustrations. Cloth \$1.00, postpaid \$1.15.

PARCEL POST RATES

We deliver by PARCEL POST FREE to any post office in the United States all cash orders for Flower and Vegetable Seeds in packets, ounces, and $\frac{1}{4}$ pounds, unless otherwise noted. No seed delivered free unless order is accompanied with the cash. For postage on Peas, Beans, Corn, Vegetable and Field Seeds in larger quantities and all merchandise, consult following table. All merchandise other than seeds, bulbs and plants up to and including 8 ounces in weight can be sent at the rate of 1 cent an ounce regardless of distance. Over 8 ounces at the Zone Rate.



NOTE. When estimating postage on goods not included in our free delivery, bear in mind that while the packing on one pound may weigh only the fraction of a pound, it must be considered as a full pound when adding postage. On larger quantities add postage in proportion.

You may now send parcels 100 inches, length and girth combined, and up to 70 pounds to all zones.

When larger quantities are wanted we can pack in two or more parcels if necessary, provided money is remitted to cover postage.

1st and 2d zones (150 miles) 8 cents first pound, 2 cents second pound, 1 cent each additional pound.

3d zone (150 to 300 miles) 9 cents first pound, 2 cents second pound, 2 cents each additional pound.

For each additional zone add 1 cent; for each additional pound add 2 cents.

All goods sent by Parcel Post are at purchaser's risk, unless insured. Insurance is 5 cents for \$5, 8 cents for \$25, 10 cents for \$50. This insures delivery only, but not damage to package.

LAWN-MOWER REPAIRING . . . HAND AND POWER

We have an up-to-date shop equipped with all of the latest machinery and superintended by experts so that we are able to take care of any jobs of any kind on either hand or power lawn mowers. We will call for and deliver work on short notice. Our men are interested in lawn mowers and we are sure their work will please you. Won't you give us an opportunity to prove this?

THE MEYER SEED CO., 34-36 Light St., BALTIMORE, MD.

M.-S. RELIABLE FLOWER SEEDS

SOW THE SEEDS

either broadcast or in rows, and cover lightly—a good general rule is to cover several times the size of the seeds and press the soil firmly. Small seeds cannot come up if covered too deep. Very fine seeds should be sown on the surface and pressed into the soil. Cover the seed-bed with a newspaper so the seed will not be washed out by rain or when watering. To have the earliest blooms, flowers that stand transplanting should be sown early in boxes indoors. Water with a fine spray; do not let the soil dry out; do not keep the plants saturated, as they may damp off. When three or four leaves have formed, transplant 1 inch apart in boxes, or in the open ground if warm enough.

THE SOIL

best suited to flowers is a light, rich loam, made as fine and smooth as possible. If heavy, mix with sand to lighten, and make it friable. Many seeds are very small and require a fine seed-bed.

HALF-HARDY and TENDER FLOWERS should not be sown or transplanted outside until the weather is settled and warm.

HARD-SHELLED SEEDS like Cannas, Moon-vines, Morning-glories should have a hole filed through the outer shell, or be soaked in warm water 24 hours before planting.

PLANTING CALENDAR

MARCH

Sow Outdoors
Sweet Peas

Sow Indoors Set Out

Ageratum May 1

Antirrhinum (Snap-dragon) May 15

Asters May 10

Carnation, Marguerite May 1

Celosia (Cockscomb) May 1

Cobaea scandens May 1

Heliotrope May 10

Hollyhock May 10

Lobelia May 1

Pansy May 1

Petunia May 1

Salvia May 1

Stocks (Gilliflower) May 15

Verbena May 1

Wallflower May 1

APRIL

Sow Outdoors
Nasturtiums

All those listed for March may also be planted in April and, in addition, the following:

Sow Indoors Set Out

Alyssum May 1

Calendula May 1

Coleus May 15

Cosmos, Late May 1

Dahlias May 1

Delphinium May 15

Gourds, Ornamental May 1

Helianthus (Sunflower) May 1

Marigold May 1

Mignonette May 1

Nicotiana May 1

Phlox Drummondii May 1

Poppy, Iceland May 15

Ricinus (Castor-Oil Plant) May 10

Salpiglossis May 10

Scabiosa May 1

Vinca May 10

Zinnia May 1

MAY

This is the month of outdoor sowing and planting. The following list of flowers comprises those which may be sown in the open, and which will mature into perfection before frosty weather sets in.

Sow Outdoors

(Do not require transplanting)
Sweet Alyssum
Calendula
Calliopsis
Candytuft
Centaurea (Bachelor's Button)
Chrysanthemum, Annual
Clarkia elegans
Cosmos, Early
Delphinium
Dianthus (China Pinks)
Eschscholtzia (California Poppy)
Gaillardia (Blanketflower)
Godetia
Ornamental Gourds
Helianthus cucumerifolius (Miniature Sunflower)
Hunnemannia (Tulip-Poppy)
Larkspur, Annual
Lupins, Annual
Marigold
Mignonette
Morning-Glory
Nasturtiums
Petunia
Phlox Drummondii
Poppy
Portulaca
Salpiglossis
Scabiosa
Verbena
Zinnia and all other annuals.

(Should be transplanted)

Asters Dahlias
Balsam Marigold
Celosia Mignonette
(Cockscomb) Nicotiana
Cosmos, Late Ricinus

JUNE

This is the month to sow perennials. The varieties listed below can easily be grown from seed. All of them may be sown from June till middle of September.

To Remain Where Sown

Alyssum saxatile compactum
Aconitum (Monkshood)
Aquilegia (Columbine)
Asters, Hardy
Coreopsis
Campanula (Bluebells)
Candytuft, Semperflorens
Hibiscus
Lupines
Poppies, Iceland
Poppies, Oriental
Sweet William
Valerian (Garden Heliotrope)

To Be Transplanted

Canterbury Bells
Delphinium
Digitalis (Foxglove)
Gaillardia grandiflora
Hollyhocks
Pyrethrum

JULY

This is the most important month for sowing some flower seeds. The following biennials, if sown in July and transplanted in August or September, will flower the following spring.

Variety

Bellis perennis (English Daisies)
Pansies
Myosotis (Forget-me-not)
And All Perennials

1001 GARDEN QUESTIONS ANSWERED . . . By Alfred C. Hottes

Written in the form of questions and answers, this book is a wonderfully quick method of answering all questions pertaining to a moderate-sized place. Information on all phases of gardening—flowers, fruits, vegetables, lawns, trees, bulbs, propagation, soils, pruning, storage, fertilizers, calendar, etc. Over 330 pages, 113 illustrations. Cloth. \$2.00, postpaid \$2.15.

GARDEN GUIDE

The most popular general garden handbook ever published. 576 pages. 300 illustrations. Cloth \$2.00, postpaid \$2.15.



FLOWERS FOR SPECIAL PURPOSES

FOR BORDERS AND BEDDING. 6 to 12 inches high

Alyssum	Dianthus	Dwarf Phlox
Brachycome	Forget-me-not	Iceland Poppy
Candytuft	Lobelia	Pyrethrum
Centaurea	Mignonette	Portulaca
Dusty Miller	Pansy	Verbena
Daisy	Bedding Petunia	

FOR BORDERS AND BEDDING. 1 to 2 feet high

Ageratum	Chrysanthemum	Dwarf Nasturtium
Amaranthus	Coleus	Petunia
Antirrhinum (Snap-dragon)	Centaurea	Phlox
Aquilegia (Columbine)	Cockscomb	Poppy
Aster	Shasta Daisy	Salpiglossis
Balsam	Dianthus (Pinks)	Salvia
Begonia	Eschscholtzia	Scabiosa
Calendula	Gaillardia	Stokesia
Calliopsis	Godetia	Stocks
Candytuft	Heliotrope	Sweet William
Carnation	Annual Larkspur	Vinca
Clarkia	Marigold	Wallflower
	Marvel of Peru	Zinnia

PLANT IN BOXES AND TRANSPLANT

Ageratum	Cosmos	Ricinus
Aster	Godetia	Salpiglossis
Calendula	Lobelia	Salvia
Canterbury Bells	Marigold	Sensitive Plant
Calliopsis	Marvel of Peru	Stocks
Chrysanthemum	Petunia	Sweet William
Cockscomb	Pyrethrum	Verbena

These may also be planted where they are to grow.

FOR EDGING AND LOW BORDERS

Alyssum	Centaurea	Lobelia
Brachycome	Daisy	Portulaca
Candytuft	Forget-me-not	Stocks
Dusty Miller	Iceplant	

FOR CUT-FLOWERS

Antirrhinum (Snap-dragon)	Chrysanthemum	Rudbeckia
Alyssum	Cosmos	Salpiglossis
Aquilegia (Columbine)	Shasta Daisy	Scabiosa
Aster	Dianthus (Pinks)	Stocks
Calendula	Eschscholtzia	Miniature Sun-flower
Calliopsis	Gaillardia	Sweet Sultan
Candytuft	Gypsophila	Sweet William
Carnation	Heliotrope	Sweet Peas
Flowering Centaureas	Marigold	Zinnia
	Mignonette	
	Nasturtium	

FOR TALL BEDS, GROUPS AND BACKGROUNDS

Amaranthus	Hollyhock	Salvia
Calliopsis	Kochia (Burning-bush)	Salpiglossis
Canna	Perennial Larkspur	Scabiosa
Canterbury Bells	African Marigold	Stokesia
Tall and Plumed Cockscomb	Nicotiana	Sunflower
Cosmos	Oriental Poppy	Woolflower
Dahlia	Evening Primrose	Zinnia
Digitalis	Ricinus	

FOR POTS, PORCH-BOXES, AND BASKETS

Ageratum	Lobelia	Petunia
Alyssum	French Marigold	Smilax
Begonia	Tall and Dwarf Nasturtium	Stocks
Centaurea	Neptuna	Thunbergia
Dusty Miller	Œnothera	Vinca
Iceplant		Verbena

FOR MOUNDS AND ROCKERIES

Alyssum	Heuchera	Saponaria
Candytuft	Iceplant	Smilax
Coleus	Lobelia	Thunbergia
Dianthus	Mimulus	Verbena
Gypsophila	Pansy	Viola
Helianthemum	Phlox	
Heliotrope	Portulaca	

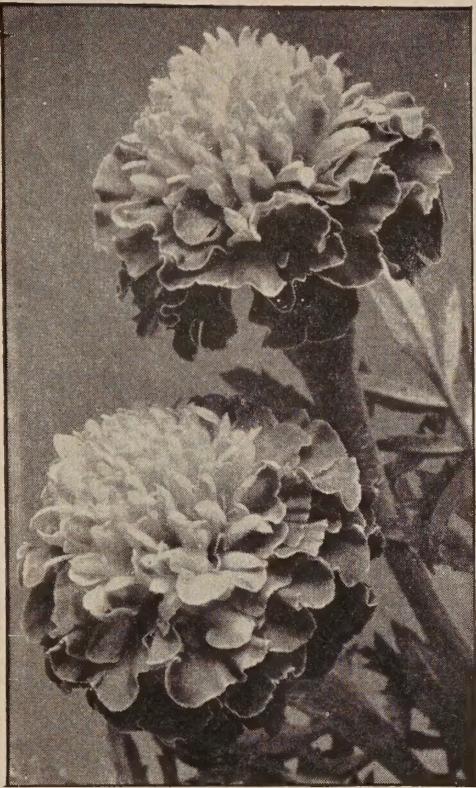
FOR LIGHT SHADE

Aconitum	Digitalis	Myosotis
Ajuga reptans	Dolichos	Nicotiana
Antirrhinum	Godetia	Pansies
Arabis	Hibiscus	Primula
Candytuft	Heuchera	Platycodon
Chinese Lantern	Humulus	Salpiglossis
Plant	Lantana	Scabiosa
Clarkia	Lupins	Schizanthus
Cobaea scandens	Lobelia	Violet
	English Daisy	Marvel of Peru

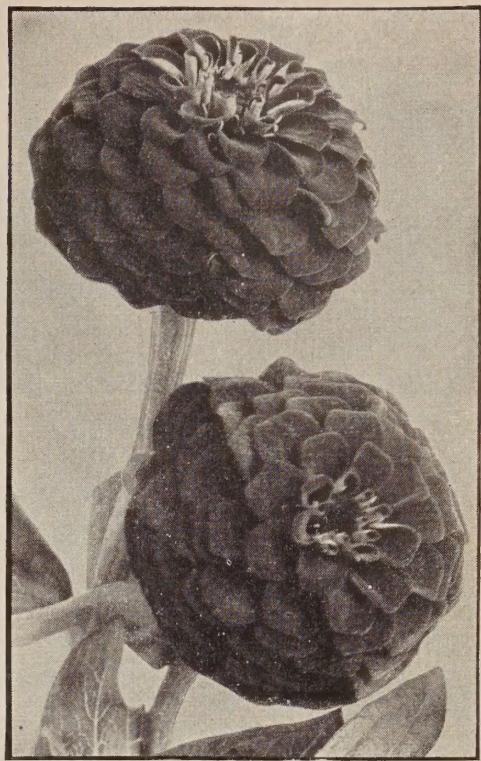
The
Meyer Seed Co.
1941
Novelties for
Your
Flower-Garden



Please read this particular page carefully, because it describes the newest and most improved varieties in the Annual Flower line. We are sure that you will want to try most of them in your garden this season.



Marigold, Spry



Zinnia, Black Ruby

AGERATUM, MIDGET BLUE

(A) *Silver Medal, 1940.* A dwarf, compact plant, 3 to 4 inches tall, covered with rich azure-blue flowers. Fine for edging. Pkt. 15c; large pkt. 25c.

ANTIRRHINUM (SNAPDRAGON)

(A) **ROSLIE.** *Bronze Medal, 1940.* This new variety of the large-flowering type is rust-resistant. An outstanding cut-flower. It is best described as intense rose-pink with large individual blooms on strong spikes. Pkt. 15c; large pkt. 25c.

SUPER-MAJESTIC RUSTPROOF. Healthy, base-branching plants with long stems for cutting. A wide range of splendid colors in a superb mixture. Pkt. 15c; large pkt. 25c.

ASTERS, EARLY CALIFORNIA GIANT

A new early-blooming strain with immense flowers held erect on splendid stems. Plants grow 2½ to 3 feet tall and are generous with their superb flowers. See Third Cover.

APPLE BLOSSOM. Dainty shell-pink. Pkt. 15c.

PURPLE. Dark purplish violet. Pkt. 15c.

SILVERY ROSE. Rich rose tipped with silver. Pkt. 15c.

WHITE. Pure white. Pkt. 15c.

MIXED. All the colors. Pkt. 15c; large pkt. 25c.

CALENDULA, YELLOW COLOSSAL

Perhaps the largest Calendula ever introduced. Flowers are warm golden yellow noted for their vigorous growth and their pleasingly curled petals and compact form. Pkt. 15c and 25c.

DELPHINIUM, PACIFIC GIANTS

ROUND TABLE SERIES. This represents all the color combinations in this group, the result of some three hundred crosses in 1940. The florets are of real exhibition size and the spikes are magnificent. See Third Cover. Pkt. 50c.

IPOMOEA, SCARLETT O'HARA

(A) *Gold Medal, 1939.* This carmine-red Morning-Glory is a great addition to our list of climbing plants. The vines are vigorous in their growth and the flowers are truly spectacular. Pkt. 15c; large pkt. 25c.

LARKSPUR, PINK PERFECTION

This new pink-flowering variety of the Giant Imperial Larkspur is worthy a place in everybody's garden. The large individual florets are closely set on long stems. Plants average 3 to 4 feet in height. Pkt. 15; large pkt. 25c.

MARIGOLD

(A) **MISSION GIANTS, GOLDSMITH.** *Bronze Medal, 1941.* Beautiful, compact flowers of rich golden orange. The plants are strong-growing, branching freely from the base, and producing a heavy crop of bloom. See Front Cover. Pkt. 25c.

MIXED. A fine mixture in orange and yellow tones. Pkt. 25c.

(A) **SPRY.** *Silver Medal, 1941.* This prize-winner is a great improvement over the favorite, Harmony. Several rows of maroon petals surround a lovely tuft of golden orange. Low, bushy plants hidden by masses of bloom. Pkt. 25c.

PETUNIA

(A) **FIRST LADY.** *Silver Medal, 1941.* Quite large, single flowers of clear, pure light pink. The plants are dwarf and produce an unbelievable quantity of bloom. A great pink Petunia. See Front Cover. Pkt. 25c.

(W) **GLOW.** *Silver Medal, 1940.* Best described as bright rose-red with a light throat. The plants are notable for their compact growth and their rich color as well as for their long season of bloom. Pkt. 15c; large pkt. 25c.

SNOW WHITE. Compact plants of the *Hybrida nana erecta* type cover themselves with dozens of paper-white flowers with yellow throats. We feel sure you will like this. See Front Cover. Pkt. 25c.

SCABIOSA, BLUE MOON

(A) *Honorable Mention, 1939.* Here is a new Scabiosa of deep lavender-blue. Worthy of attention because of its large, almost globular flower-heads. The plants are upright in growth and noted for their vigor. Pkt. 15c; large pkt. 25c.

ZINNIA

(A) **BLACK RUBY.** *Bronze Medal, 1941.* Lovely little pom-poms of deep velvety maroon. The plants are about 18 inches tall and come into bloom early. Pkt. 25c.

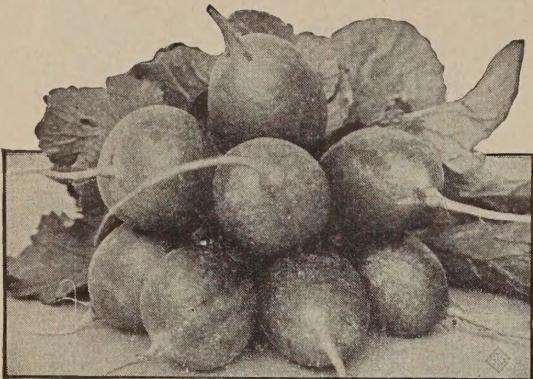
CROWN O'GOLD PASTEL TINTS. The petals of these unusually large flowers are overlaid with a tip of golden yellow at the base, hence the name Crown o'Gold. This new variation in the Zinnia flower is indeed a welcome and a pleasing one. Pkt. 10c; large pkt. 15c.

A COLLECTION OF *New and Better Vegetables*

That we would like all of our
customers to try
We know they will please

SPECIAL:
One pkt. each of these
proved Vegetables

50c
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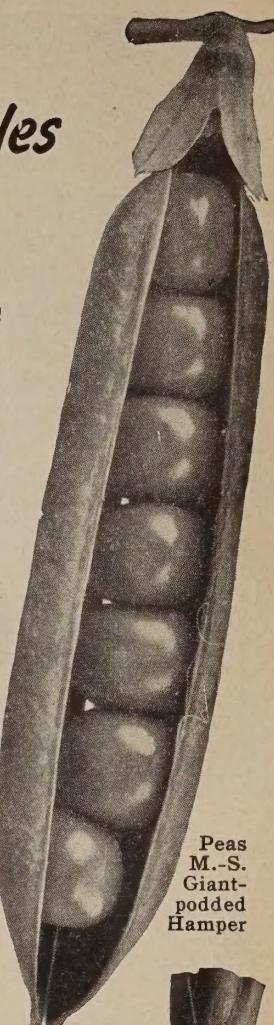
Radish, M.-S. Early Cardinal



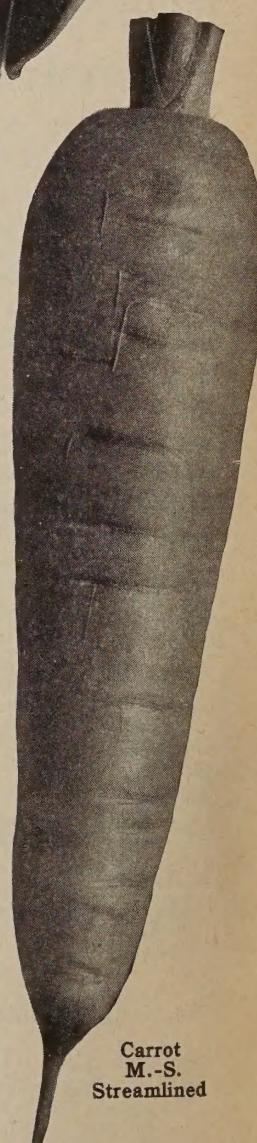
Tomato, M.-S. Rutgers



Cucumber, M.-S. Colorado



Peas
M.-S.
Giant-
podded
Hamper



Carrot
M.-S.
Streamlined

BEET M.-S. EARLY MARVELOUS

This splendid Beet is nearly a perfect globe, about 8 inches around, with smooth skin free from rootlets. The flesh is a rich blood-red, nicely ringed, never stringy, and always tender and sweet. Excellent for canning. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c; lb. 90c.

CARROT, M.-S. STREAMLINED

An outstanding type for market garden and home use. Roots are long and slender, cylindrical shaped. Flesh rich orange color, indistinct core, fine-grained, tender, and of excellent quality. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 60c; lb. \$1.75.

CUCUMBER, M.-S. COLORADO

This long, slender, dark green Cucumber commands a premium price. A vigorous, productive variety of unusual stamina. The finest slicing and best packing Cucumber. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 60c; lb. \$2.00.

PEAS, M.-S. GIANT-PODDED HAMPER

A handsome, large-podded variety for truckers or home-garden. Vines dark and heavy, 22 inches. Pods measure from $4\frac{1}{4}$ to 5 inches, dark green, and filled with large, wrinkled luscious Peas. Matures in 65 days. Pkt. 10c; $\frac{1}{2}$ pt. 20c; pt. 30c; qt. 50c; $\frac{1}{2}$ pk. \$1.50; pk. \$2.75.

RADISH, M.-S. EARLY CARDINAL

These little Radishes are the most brilliant fiery red color that we have ever seen in a Radish. They are perfectly round and come so early in the season that if they were only of ordinary quality they would be desirable, but they are unusually tender and crisp. They will stand the heat, are fine for forcing, and are most desirable for both the home-garden and market. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 35c; lb. \$1.00.

TOMATO M.-S. RUTGERS (Certified)

This unusual Tomato is from the New Jersey Agricultural Experiment Station. It is globe-shaped, quite large, with flesh firm, red, and very solid. Ripening begins at the center, insuring good color throughout. Fills all requirements. Pkt. 15c; oz. 35c; $\frac{1}{4}$ lb. \$1.25; lb. \$4.50.

ANNUAL FLOWER SEEDS

1 **AGERATUM.** *Floss Flower.* An excellent plant for edging or solid effects. A continuous bloomer.

Imperial Dwarf Blue. 6 in.

Imperial Dwarf White. 6 in.

Imperial Dwarf Mixed. 6 in.

Each, pkt. 10c; oz. 75c

A., Midget Blue. See page 3.

2 **A., Tall Blue and Mixed.** Flowers in dense clusters. 2 ft. Pkt. 10c; 1/4oz. 25c.

3 **ALYSSUM, Carpet of Snow.** One of the most popular garden flowers, in bloom all season. Used for edging or in rockeries or vases. 3 in. Pkt. 10c; oz. 75c.

4 **A., Lilac Queen.** A very pretty deep lavender-lilac, of dwarf compact habit. 6 in. Pkt. 10c.

ANTIRRHINUM - Snapdragon

Super-Majestic. See 3d Cover, page 3.

A. majus grandiflorum, Rosalie. See

page 3.

5 **Semi-dwarf Rustproof. 1 1/2 ft. high**

Large flowers. Excellent for bedding. To have flowers early, sow indoors during February and March.

Copper Rose. Glowing rose.

Garnet. Velvety crimson.

Glowing Sunset. Scarlet.

Golden Queen. Golden yellow.

Purity. White.

Wild Fire. Bright orange.

All Colors Mixed.

Each, pkt. 10c; oz. \$1.00

6 **Tall Rustproof. 2 feet high**

This splendid new type has proved to be 75 per cent resistant to Antirrhinum rust.

Campfire. Scarlet.

Copper King. Copper-red.

Daffodil. Yellow.

Loveliness. Pink.

Shasta. White.

Each, pkt. 10c

7 Best Forcing Varieties

Ceylon Court. Yellow.

Cheviot Maid. Rose-pink.

Jenny Schneider. Salmon-pink.

Lucky Strike. White.

Rose Queen. Pink.

Sur Tan. Orange.

Terry Surprise. Rich rose, shaded bronze.

Each, pkts. 50c and \$1.00



Calendula, Orange Shaggy

AMARANTHUS. Brilliant-foliaged annuals growing from 3 to 5 feet high. They thrive best in a hot, sunny location, not too rich soil, and must be given sufficient room to develop their full beauty.

8 **A., Combustion.** Dark foliage. Red tops. Pkt. 10c.

9 **A., Molten Fire.** Brilliant poinsettia-like tips. Called "Summer Poinsettia." The most brilliant of this family. Foliage bronzy crimson, each branch terminating with a tuft of bright scarlet-carmine leaves. Grows from 4 to 5 feet. Pkt. 10c.

10 **A. tricolor splendens.** Josephs-Coat. An improvement on the old sort of more brilliant coloring. Pkt. 10c.

11 **ARCTOTIS grandis.** African Daisy. Bushy annual plants, producing the entire season, on long stems, large, blue-eyed, Daisy-like flowers, pure white on the upper surface, reverse lilac-blue. 2 ft. Pkt. 10c.

12 **A. hybrida.** New African Daisy with beautiful flowers. Plants are about 1 foot tall with soft gray-green, wavy-edged leaves. The flowers are in pink, scarlet, and yellow shades and white, each with a dark disc in the center. Truly wonderful cut-flowers. Pkt. 25c.

13 **ASPARAGUS plumosus nanus.** For house or conservatory decoration. Much used by florists. Pkt. 25c; 100 seeds \$1.00.

14 **A. Sprengeri.** 100 seeds 25c; 1000 seeds \$1.25.

M.-S. Superb Asters

15 **Early Giant, Wilt-resistant.**

Rose Marie. Rich rose.

Peach Blossom. Opens white, flushes lavender-pink.

Light Blue and Mixed. Each, pkt. 15c.

15A **California Giants.**

Apple Blossom. Shell-pink.

Purple. Dark purplish violet.

Silvery Rose. Rich rose, silver tipped.

White and Mixed.

Each, pkt. 15c

16 **American Beauty, Wilt-resistant.** The queen of all Asters. Far superior to Peony and branching varieties. In five colors: Lavender, Crimson, Dark Blue, Pink, and White, and All Colors Mixed. Each, pkt. 10c; oz. \$2.00.

17 **Sunshine Aster.** This pretty Anemone-flowered variety is of great value either in beds, borders, or for cutting. Plants grow about 1 1/2 feet high. The dainty flowers are held erect on good stems. The mixture offered contains a splendid range of delicate colors. Pkt. 10c.

18 **Queen of the Market, Wilt-resistant.** Very early. White, Pink, Lavender, Scarlet, Dark Blue, and Choice Mixed. Each, pkt. 10c; oz. \$1.50.

19 **BALLOON-VINE.** *Love-in-a-Puff.* A rapid-growing annual climber. Seed-pods like miniature balloons. Pkt. 10c.

20 **BALSAM.** *Lady's-Slipper.* An old-fashioned flower. With plenty of room they will develop to immense plants with gorgeous flowers. Colors: White, Rose, Scarlet, Spotted, Salmon, and Mixed. Each, pkt. 10c.

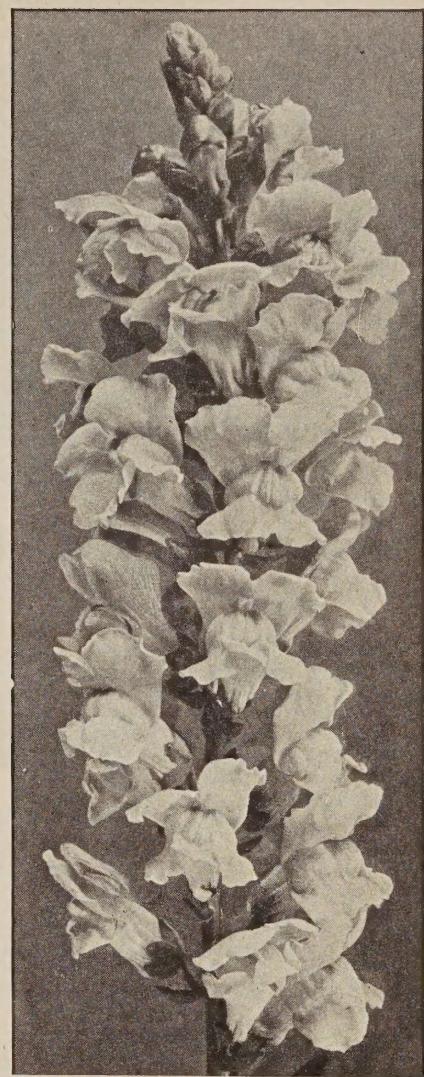
21 **BALSAM-APPLE (Momordica).** Handsome climbing annual bearing ornamental, orange-colored fruit. Pkt. 10c.

22 **BEGONIA semperflorens.** Invaluable for bedding and pot-culture. About 1 foot high. Beautiful foliage. Pink, White and Crimson, mixed. Pkt. 10c.

23 **B. gracilis, Prima Donna.** Pink. Pkt. 50c.

24 **B., Christmas Cheer.** Crimson-scarlet. Pkt. 75c.

25 **B. gracilis luminosa.** Scarlet. Pkt. 50c. For pot-culture, the above produce compact plants that find ready sale.



Semi-dwarf Rustproof Antirrhinum

26 **BROWALLIA speciosa (major).** Most desirable as a pot- or basket-plant. Rich blue flowers. Pkt. 25c.

27 **BRACHYCOME.** *Swan River Daisy.* A desirable hardy annual, blooming profusely the greater part of the summer. Small blue flowers resembling those of the cineraria. 9 in. Pkt. 10c.

28 **C., Ball's Improved Orange.** An extra long-stemmed deep golden yellow used for forcing. Pkt. 40c; 1/4oz. 60c; oz. \$2.00.

29 **C., Orange Shaggy.** Beautifully fringed or laciniated flowers of deep orange shaded lighter at center. A very effective two-toned coloring and a beautiful long-stemmed cut-flower. Pkt. 10c.

29A **C., Lemon Shaggy.** Large golden yellow blooms. Pkts. 15c. and 50c.

30 **C., Lemon Queen.** Lemon-yellow. Pkt. 10c; oz. 50c.

31 **C., Orange King.** Rich dark orange. Pkt. 10c; oz. 50c.

C., Yellow Colossal. See page 3.

32 **C., Mixed.** Pkt. 10c; oz. 40c.

CALIFORNIA POPPY. See *Eschscholtzia*.

ORDER BY NUMBER AND NAME

The Celosias Are an Interesting Flower Family



Calliopsis (Annual)

33 CALLIOPSIS. A very showy annual in bloom from early summer until frost. Single or double. All colors mixed. Pkt. 10c; oz. 50c.

34 CAMPANULA, New Annual Single. Canterbury Bells. A new variety which blooms from seed in less than six months. Plants grow from 2 to 2½ feet high and each produces from 6 to 8 spikes of bloom. Originator's stock seed in a selected mixture only. Pkt. 10c.

35 CANDYTUFT. Dwarf, profuse bloomer of easy culture. Useful for bedding and borders. Red, Lavender, Pink, Crimson, White and Choice Mixed. Each, pkt. 10c; oz. 40c.

36 CANARY-BIRD-VINE. One of the most charming annual climbers, bearing hundreds of pretty, fringed, bright yellow flowers, which resemble a canary bird with expanded wings. Pkt. 10c; oz. 35c.

37 CARNATION. Marguerite. These are the most satisfactory of the annual Pinks, and will bloom in four months after sowing the seed. The flowers are large, fragrant and are produced continuously. If slightly protected the first winter, they will revive the following spring and bloom. Pkt. 10c; oz. \$1.00.

38 CARDINAL CLIMBER (Ipomoea Quamoclit hybrida). In a warm, sunny location with good soil, it often reaches a height of 20 feet. The vines are clothed with palmlike, rich green leaves, bespangled with clusters of fiery scarlet, tubular spear-shaped flowers, measuring about 1¼ inches across. Pkt. 10c.

39 CORNFLOWER (Centaurea cyanus). Also known as Blue Bottle, Ragged Robin, Bachelor's Button. An old favorite garden annual. Double Blue, Pink, White. Each, pkt. 10c; oz. 50c.

40 All Colors Mixed. Pkt. 10c; oz. 40c.

41 C., Jubilee Gem. A dwarf Cornflower with 1-foot, compact plant literally covered with dark but vivid double blue flowers. In addition to its garden value it makes a splendid pot-plant. Pkt. 15c; 2 pkts. for 25c.

42 CENTAUREA imperialis. Sweet Sultan. Gigantic, beautiful, sweet-scented flowers borne on long stems. Mixed. Pkt. 10c; oz. \$1.00.

43 C., White-leaved. Dusty Miller. Grown for its silver foliage. Fine for edging and hanging-baskets. Pkt. 10c; ¼ oz. 30c.

44 CERASTIUM tomentosum. Snow-in-Summer. Dwarf, white-leaved edging plant. Flowers white. Pkt. 10c; oz. 40c.

45 CHRYSANTHEMUM, Annual. Plants 2 feet high, bearing in profusion large, daisy-like flowers on good stems. Quite distinct from the hardy perennial and autumn-flowering varieties. Mixed colors. Single or double. Each, pkt. 10c; oz. 50c.

46 CINERARIA grandiflora, Prize Mixed. One of the most ornamental and useful plants for conservatory and house decorations. Medium tall. Pkts. 60c and \$1.00.

47 C., Cremer's Prize Strain. Pkts. 75c and \$1.50.

48 CLARKIA. One of the prettiest and showiest hardy annuals. They are useful for hanging-baskets, for vases, and as edging plants. Grow in partial shade. They bloom through midsummer to late autumn. 1½ ft. Pkt. 10c.

CASTOR-OIL BEAN. See Ricinus.



Centaurea imperialis

49 CELOSIA cristata. Crested Cockscomb. Very desirable annual of easy culture. Large, comb-like heads. Excellent border plants; very good for pots. Dry nicely for winter bouquets. Red and Mixed. Each, pkt. 10c; oz. \$1.00.

50 C. plumosa. Feathered Cockscomb. Very decorative plant for the garden. The feather plumes are excellent for cutting. Can also be cut and dried for winter use. Mixed colors. Pkt. 10c; oz. 60c.

51 CHINESE WOOLFLOWER (Celosia Childsi). This is a unique form of the Feathered Cockscomb, growing 2 to 3 feet high, each branch terminated with a large head that looks as if made of silky wool. Effective in beds and highly interesting for cutting, as they can be dried and retain their bright color for weeks. Mixed or Scarlet. Each, pkt. 10c.

52 COBÆA scandens. Cup-and-Saucer Vine. Well-known climber of rapid growth, producing large, bell-shaped blossoms. In sowing, place the seeds edgewise, and merely cover with light soil. Blue and White, Mixed. Pkt. 10c.

53 CLEOME, Rose Queen. Spider Plant. Showy. 4 ft. Pkt. 10c.

CONVOLVULUS. See Morning-Glory.

54 COLEUS, Large-leaved Hybrids. Popular bedding plant with beautifully colored foliage. Easily grown from seed if kept in warm temperature. Pkt. 25c.

55 COSMOS, Sensation. Mammoth flowers, 4 to 5 inches in diameter, on long, strong stems. Blooms in 10 weeks from seedling. 4 ft.

Pinkie. Rose-pink.

Purity. White.

Cardinal. Red.

Mixed.

Each, pkt. 10c; 1/8 oz. 25c

56 Cosmos, Orange Flare. An early-flowering strain, blooming in four months from seed. Marigold-like foliage. Grows 2 to 3 feet tall, bushy. Deep brilliant orange blooms. Profuse bloomer. Pkt. 10c.

57 C., Klondyke. Same as above, but a clear orange-yellow. Pkt. 10c; oz. \$1.00.

58 C., Lady Lenox. A giant-flowering strain that blooms profusely. Pink, White, or Mixed. Each, pkt. 10c; oz. 50c.

59 C., Early Summer-flowering. Large flowers with broad petals. Comes into bloom in July. Profuse bloomer. 4 ft. Crimson, Pink, White, and Mixed. Each, pkt. 10c; oz. 50c.

60 C., Double-crested. This is an entirely new class of Cosmos that blooms very early and produces double-crested flowers of exceptional beauty. The grower does not claim that all plants have double flowers (the fields show about 50 per cent). Pink, White, Crimson, and Mixed. Each, pkt. 15c.

61 CYPRESS VINE (Ipomoea Quamoclit). A very graceful annual climber with feathery foliage and beautiful, star-like flowers. Scarlet, White, or Mixed. Each, pkt. 10c; oz. 50c.

62 CYNOGLOSSUM. Chinese Forget-me-not.

C., Firmament. New dwarf type. Plants compact, 15 to 18 inches tall. Especially free-flowering in habit and noted for its long season of bloom. Pkt. 10c; ¼ oz. 40c.

BECAUSE OF WAR CONDITIONS, ALL PRICES SUBJECT TO DRastic CHANGES



Cerastium tomentosum

Unwin's Dwarf Dahlias Are Splendid Cut-Flowers

DAHLIAS. There is no more fascinating flower to raise from seed than the Dahlia. The results are a series of surprises.

63 **D., California Giants.** A selection from named varieties, grown by a celebrated producer in California. Pkt. 25c.

64 **D., Unwin's Dwarf Hybrids.** Graceful, semi-double flowers in many colors. Sow in March indoors and they will bloom by the end of June. Fine for bedding and cutting. Pkt. 15c.

64A **D., Coltness Hybrids.** Dwarf. Single. Will bloom in 4 months. Pkt. 15c.

64B **D., Unwin's Ideal Bedding.** Pkt. 15c; Special Pkt. 50c.

65 **DIANTHUS chinensis.** Chinese Pinks. Single, Red and Mixed. Each, pkt. 10c.

66 **D., Double, Mixed.** Pkt. 10c; oz. 75c.

67 **D., Sweet Wivesfield.** A hybrid between a Pink and a Sweet William. Seed started in January and planted out in April will flower in May and bloom all summer in a variety of colors. Pkt. 10c.

68 **DIMORPHOTHECA aurantiaca.** African Orange Daisy. One of the showiest garden annuals. Compact, bushy plants with orange-gold, daisy-like blooms on long stems. Pkt. 10c.

69 **D. aurantiaca hybrida.** A splendid mixture of colors and shades. Pkt. 10c.

70 **DIDISCUS cærulea.** Blue Lace-Flower. This pretty and interesting annual blooms most profusely from July till November. The exquisite pale lavender blossoms are excellent for cutting. Plants grow about $1\frac{1}{2}$ feet high, and have as many as 50 flowers open at one time. Pkt. 10c.

71 **DOLICHOS Lablab.** Hyacinth Bean; Texas Climber. Showy climber, making rapid growth. White, Purple, or Mixed. Each, pkt. 10c; oz. 25c.

72 **EUPHORIA.** Snow-on-the-Mountain. Plants with ornamental foliage. Very showy and easily raised from seed. Pkt. 10c.

73 **ESCHSCHOLTZIA californica.** California Poppy. Poppy-like flowers in shades of yellow and orange. Blooms from June till frost. Fine for borders or large beds. Choice Mixed. Pkt. 10c; oz. 60c.

EVERLASTINGS or STRAWFLOWERS. See *Helichrysum*, *Acroclinium*, *Statice*, *Comphrena*.



Dianthus chinensis

FOUR-O'CLOCK. See *Marvel of Peru*.

74 **GAILLARDIA.** Single or Double. Blanketflower. One of the best garden flowers. Excellent for cutting. The large, highly colored, daisy-like flowers appear continually during the season. Pkt. 10c; oz. 60c.

75 **G., Indian Chief.** A magnificent, large, single flower with dark brown center and showy, metallic red petals. Fine for garden display or cutting. 2 ft. Pkt. 10c; $\frac{1}{8}$ oz. 25c.

76 **GODETIA.** Satin Flower. Easily grown plants produce a profusion of beautiful flowers of satiny texture. Mixed colors. Pkt. 10c.

76A **G., Carmine Improved.** Tall, graceful plants with racemes of double flowers, throwing a large carmine blotch, spreading half-way outward from the base of each petal. Pkt. 15c.

77 **GOMPHRENA globosa.** Globe Amaranth. Clover-like heads of everlasting flowers which can be dried for winter bouquets. 15 in. Red, Purple, and Mixed. Each, pkt. 10c; $\frac{1}{8}$ oz. 25c.

78 **GERANIUM zonale.** Mixed. Largest and finest varieties. Pkt. 10c.

79 **GORDS.** Rapid climbers. State kind wanted.

Bird-Nest	Mockorange
Caveman's Club	Sugar Trough
Dishcloth or Luffa	Calabash or Pipe
Nest-Egg	Spoon
Hercules' Club	Dipper
Pear Shape	Apple
General Mixture	
Each, pkt. 10c; oz. 40c	

79A **M.-S. Surprise Mixture.** Pkt. 15c; oz. 50c.

80 **GYPSOPHILA.** Babys-Breath. Free-flowering plants of easy culture. Excellent for cutting to mix with other flowers. 2 ft. White and Rose. Each, pkt. 10c; oz. 50c.

HELIANTHUS. See *Sunflower*.

81 **HELIOTROPE.** A well-known and highly prized plant on account of the delightful fragrance of the flowers. Excellent for pots or beds. Dark varieties. Mixed. Pkts. 10c and 25c.

82 **HELICHRYSUM.** Strawflower. One of the most popular of the Everlastings; a splendid cut-flower, either fresh or dried. Pink, Crimson, Yellow, and Mixed Colors. Each, pkt. 10c; oz. 50c.

83 **HUMULUS japonicus.** Japanese Hop. A rapid-growing annual climber with luxuriant foliage. Excellent for covering trellises and verandas. Pkt. 10c; oz. 50c.

84 **HUNNEMANNIA fumariæfolia.** Giant Yellow Tulip-Poppy. 2 ft. Pkt. 10c.

85 **HOLLYHOCK, Single, Annual.** Mixed colors. Pkt. 10c.

86 **H., Annual, Indian Spring.**

HYACINTH BEAN. See *Dolichos*.

87 **ICEPLANT.** Beautiful dwarf edging plants that bloom profusely in dry and sunny situations. Fine for pots. Covered with watery vesicles resembling pieces of ice. Pkt. 10c.

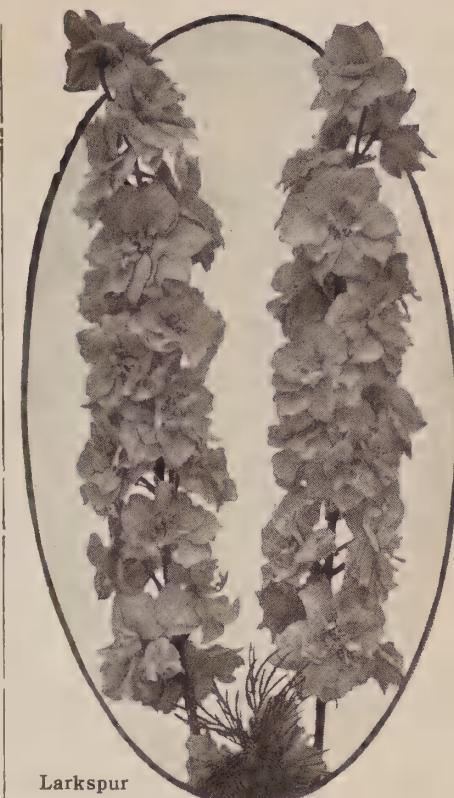
88 **IMPATIENS, Holsti Hybrids.** Sultan's Balsam. A wide range of exquisite colors. Blooms continuously from midsummer until frost. For outdoors and pot-culture. 1 to 2 ft. Pkt. 15c.

IPOMŒA. See *Moonflower*.

I., Scarlett O'Hara. See page 3.

89 **KOCHIA scoparia.** Summer-Cypress; Mexican Fire-Bush. An easily grown annual with feathery green foliage which grows into a cypress-like hedge. At the approach of autumn the foliage turns to a deep red color. 2 to 3 ft. Pkt. 10c; oz. 40c.

LACE-FLOWER, BLUE. See *Didiscus cærulea*.



Larkspur

90 **LANTANA.** Most desirable bedding plant. Seeds are best germinated in a greenhouse from January to March. Flowers resemble verbenas. Plants bloom all summer. Red and orange shades. Dwarf hybrids, mixed. Pkt. 10c; $\frac{1}{4}$ oz. 30c.

91 **LUPINS.** Very desirable showy garden plants. Excellent for cutting. Graceful spikes. 2 ft. Pink, Dark Blue, Light Blue, White, and Mixed. Each, pkt. 10c; oz. 60c.

92 **LOBELIA, Crystal Palace.** No garden is complete without an edging of blue Lobelias. Very desirable for pots and hanging-baskets. Blooms July to October. Pkt. 10c.

93 **LARKSPUR or ANNUAL DELPHINIUM, Double Stock-flowered.** Splendid annuals of easy culture. If sown early in spring will produce blooming plants in July. Will bloom earlier when sown in autumn. White, Light Blue, Dark Blue, Pink, and Mixed. Each, pkt. 10c; oz. 75c.

L., **Pink Perfection.** See page 3.

Marigolds

94 **FRENCH, Dwarf.**
French Legion of Honor. Single; yellow blotted brown.
Golden Ball. Double.
Lemon Ball.
Mahogany. Rich mahogany-brown.
Mixed. Each, pkt. 10c; oz. 60c

Flaming Fire. Tall. Single; maroon.
Ferdinand. Tall. Yellow and maroon.
94A Tagetes, Gnome. Golden yellow. 10 in.

Each, pkt. 10c

95 **AFRICAN TALL.**
Lemon Queen. Soft lemon-yellow.
Orange Prince. Golden orange.
Mixed. Each, pkt. 10c; oz. \$1.00

96 **GUINEA GOLD.** A distinct type of Marigold, with graceful, pyramidal habit, growing 2 to $2\frac{1}{2}$ feet high. Flowers semi-double, 2 to $2\frac{1}{2}$ inches across. Wavy petals of a brilliant shade of orange and gold. Pkt. 10c.

96A **African Dwarf Double Queen, Mixed**
Pkt. 10c.

ORDER BY NUMBER AND NAME

Novelty Marigolds

Mission Giants, Goldsmith and Mixed.

Color on front cover and described on page 3.

96B Sun-Beam. Unequaled as an early bedding variety. Flowers bright golden orange, with brown flakes at base of petals. Plant 15 inches high, 20 inches in diameter. Pkts. 25c and 40c.

97 Yellow Supreme. New. Large, fluffy blooms which are sweetly scented. A fine companion to Guinea Gold. Flowers of dazzling lemon-yellow color, nearly 3 inches in diameter. Pkt. 15c.

98 Harmony. A lovely Scabious-flowered type of the dwarf French Double Marigold. Plants are 10 to 12 inches high and produce great quantities of their lovely flowers which have a high golden orange center tuft and 4 or 5 rows of reddish brown guard petals. Pkt. 15c.

99 Dixie Sunshine. Golden yellow pompons of tiny 5-petaled florets. Five feet tall with lacy green foliage. It blooms late and should be started early indoors. Pkt. 15c.

100 Gigantea, Sunset Giants. Here we have a showy, sweetly scented, exceptional-sized Marigold flower averaging 5 inches in diameter, ranging in color from deep orange to lemon-yellow, and a new, delightful shade of primrose. Plants are 3½ to 4 feet high, and start blooming about July 15 and will bloom profusely until frost. Sunset Giant is worthy of the showiest spot in any garden. Pkt. 10c.

101 Crown of Gold. A round-topped flower of rich golden yellow surrounded by a collar of big broad petals of the same color. Flowers sweet-scented. Foliage odorless. 2 ft. Pkt. 10c.

102 MARVEL OF PERU. *Four-o'Clock.* Bushy plants of easy culture, producing hundreds of flowers during the entire summer. Very showy. 2 ft. Pkt. 10c; oz. 30c.

103 MESEMBRYANTHEMUM tricolor. A lovely little annual, splendid for the rockery, sunny bank, etc., with daisy-like flowers of carmine, white, purple. Pkt. 10c.

104 MIGNONETTE, Golden Machet. Valuable for cutting on account of its fragrance. Sow in succession during the whole summer; may also be forced in greenhouses during winter. Large, reddish-tinted, sweet-scented flowers. Pkt. 10c; oz. 75c.

104½ M., New York Market. A specially selected strain of tall-growing, very sweet Mignonette. Pkt. 15c; oz. \$1.00.

MOMORDICA. See *Balsam-Apple*.

105 MOONFLOWER (Ipomoea noctiflora). Climber. At night and during dull days the plants are covered with an abundance of large, pure white, fragrant flowers. Pkt. 10c; oz. 75c.

M., Heavenly Blue. Pkt. 10c.



Nasturtium, Golden Gleam

105A DOUBLE MORNING-GLORY, Rose Marie. An early, free-flowering variety with beautiful deep rose blooms of double and semi-double form. Pkt. 15c; 2 for 25c.

106 M., Imperial Japanese, Mixed. These are the handsomest of all Morning-Glories. All colors. Pkt. 10c; oz. 25c.

107 M., Heavenly Blue (Ipomoea). Beautiful flowers of bright sky-blue. Pkt. 10c.

Scarlett O'Hara. See page 3.

MOURNING BRIDE. See *Scabiosa*.

108 NICOTIANA. Splendid, showy flowers so fragrant that a small bed will perfume the surrounding atmosphere. Pink, Red, White, and Mixed. Each, pkt. 10c.

109 NIGELLA, Miss Jekyll. Love-in-a-Mist. Beautiful double flowers of a clear cornflower-blue. Good for cutting. 1½ ft. Pkt. 10c.

110 ENOTHERA Lamarckiana. Evening Primrose. Blooms from June until frost. The large, golden yellow, fragrant flowers open at dusk. 2 to 4 ft. Pkt. 10c; ¼ oz. 25c.

Nasturtium

New Double Sweet-scented

111 Dwarf Globe, Mixed. The dwarf, compact, globe-shaped plants are literally covered with many colored giant double and semi-double, long-stemmed, sweet-scented flowers. Pkt. 10c; oz. 25c.

112 Scarlet Gleam. More dazzling in color than the showy Golden Gleam. The fiery orange-scarlet flowers are fully double, very large, well formed, and pleasingly sweet scented. Pkt. 10c; oz. 15c.

113 Glorious Gleam Hybrid. The flowers are uniformly double, large, well formed and delightfully sweet scented, with stems long and wiry, bearing the numerous flowers well above the foliage. Pkt. 10c; oz. 15c.

114 Golden Gleam. Makes a vigorous, large bush and throws out a few short runners, covered with double, large, golden yellow, fragrant blooms. Pkt. 10c; oz. 15c.

Dwarf Varieties

115 Vesuvius. Salmon-rose. Neat, compact habit and attractive foliage. Are not disturbed by insects. Bloom most profusely the whole season.

116 Chameleon. Produces various colors and markings on the same plant.

117 Empress of India. Dark-leaved, velvety dark scarlet blooms. Select flowers.

Above three varieties, pkt. 10c; oz. 20c; ¼ lb. 60c

V.122. M.-S. Fancy Giant-flowering Dwarf, Mixed. Pkt. 10c; oz. 15c; ¼ lb. 25c; lb. 75c.

Tall Varieties

V.105. M.-S., Mixed. For covering trellises, fences, arbors, piazzas, or trailing from vases, urns, etc. Bloom early summer until frost. Pkt. 10c; oz. 15c; ¼ lb. 30c; lb. 85c.

M.-S. Perfection Pansies

Strictly considered, this is a biennial, but the fact that it flowers the first season from seed recommends it as an annual. There are actually three seasons in which Pansies can be planted. If started in the house from February until April, Pansies will begin to bloom from July on; sown outdoors in May,



Pansy, Triumph of Giants

beautiful flowers are produced in the fall; sown in frames during July and August and transplanting later gives us the main crop of flowers the following spring. Pansies thrive best in moist, semi-shaded situations in open exposure.

118 M.-S. Giant Exhibition. A blending of our own, containing only the very choicest the specialists in Europe have to offer. It can be relied on to produce flowers of immense size, very heavy texture, and of the most brilliant colors. Pkt. 10c; oz. \$3.00.

119 Triumph of Giants. Flowers of great brilliancy and richness of coloring, including many new and rare shades. Florists' strain. Pkt. 25c; 5 pkts. \$1.00; oz. \$6.00.

120 Ball's Giant Mixed. Very large florists' strain. Pkts. 50c and \$1.00; oz. \$6.00.

121 Masterpiece. Frilled Pansy. Flowers beautifully curled or waved. Exquisite colors. Pkt. 10c.

Petunias

The Petunia is without a peer among annuals for effective summer bedding or indoor culture. It is of easy culture, early to blossom, and continues throughout the summer until the first killing frost. No other flower produces greater diversity of color, retaining its freshness for so long a period.

122 Superbissima, Giants of California. Single, fringed and ruffled blooms. The best strain of giant, pot-grown Petunias, all selected from the finest new colors, hand pollinated and glasshouse grown. Fine for potting. Pkts. 25c and 50c.

123 Grandiflora, Double Fringed, Mixed. Selected and hybridized with the greatest care. Flowers large, beautifully fringed, and embracing the choicest colors. When transplanting Double Petunias it is very important to plant also the very smallest plants, as these as a rule produce the best double flowers. Pkt. 50c; 500 seeds \$1.50.

First Lady. See in color on front cover and full description on page 3.

Snow White. See in color on front cover and full description on page 3.

ORDER BY NUMBER AND NAME

Ricinus Plants Are Magnificent Garden Ornaments



Petunias, Giants of California

PETUNIAS, continued

Bedding and Window-box

124 **Glow.** Bright rose. Compact plant. Pkts. 15c and 25c.
 125 **Hollywood Star.** Star-shaped; pink. Quite novel. Pkt. 10c.
 126 **Fluffy Ruffles.** Handsome large ruffled flowers with finely fringed edges. Many splendid colors. Pkts. 25c and 50c.
 127 **M.-S. Fine Bedding.** Very fine. Striped, blotched, and all colors mixed. Pkt. 10c; oz. \$1.50.
 128 **Elk's Pride.** Large, deep royal-purple. Pkts. 25c and 75c.
 129 **Flaming Velvet.** Brilliant velvety blood-red. Plants neat, compact, and bearing a profusion of blooms throughout the summer. Pkts. 25c and 40c.
 130 **Snow Queen.** Pure white. Pkt. 10c; oz. \$2.00.
 131 **Rosy Morn.** Pink. Pkt. 10c; oz. \$2.00.
 132 **Rose of Heaven.** A very effective rich and brilliant variety with luminous rose-pink blooms. Pkt. 10c; 1/4 oz. 75c.
 133 **Heavenly Blue.** Silvery blue. Pkt. 15c; 1/8 oz. \$1.00.

Nana compacta

A new strain of dwarf, compact Petunias for pot-culture, the rockery, and beds. Each plant forms a perfect ball.
 134 **Howard's Star.** A beautiful variety. Produces a profusion of single crimson-maroon flowers, each having a distinctive five-pointed white star. Pkt. 10c; oz. \$1.50.
 135 **General Dodd.** Rich blood-red. Splendid bedding variety. Pkt. 10c.
 136 **Ruffled Martha Washington.** A lovely novelty of dwarf, compact growth, 9 inches high, smothered with brilliant blooms, about 3 inches in diameter. The frilled portion of the flowers is a charming flesh-pink and the center is strongly veined with wine-red. Pkt. 25c.
 137 **Pink Gem.** Plants 5 to 6 inches high, literally smothered with deep pink blooms. Pkts. 15c and 40c.
 138 **Pink and White Gem.** (New.) Rose-pink, starred white. Pkts. 15c and 40c.
 138A **Topaz Rose.** Fiery rose, suffused gold, throat topaz. Pkt. 10c.

Balcony

139 **BALCONY.** A splendid free-flowering type for window or porch-boxes, vases, etc.; also valuable for bedding, giving a display of flowers throughout the entire summer until frost. The blooms are large, averaging 3 inches across. Blue, Red, Rose, White, and Mixed Colors. Each, pkts. 10c and 40c.

ORDER BY NUMBER AND NAME

Poppies

Dainty flowers with tissue-like petals. If cut just before opening and the stems seared or dipped in boiling water, they make splendid cut-flowers. Plant as early as possible where they are to stay, as they do not transplant well. Successive sowings every two weeks will give continuous bloom.

Single Varieties

140 **M.-S. Shirley.** A bed of these Poppies produces a gorgeous effect in the garden. Large flowers with brilliant colors. Pkt. 10c; oz. 25c.

141 **Flanders.** This is the well-known Poppy of Flanders Field so often mentioned in songs and stories of the Great War. Medium-sized, bright scarlet flowers. Showy when planted in masses. Pkt. 10c; oz. 40c.

142 **Oriental Scarlet.** A duplicate of the perennial type, but it is an annual, flowering profusely the first season. Pkt. 10c; oz. \$1.00.

Double Varieties

143 **Double-flowered, Mixed.** Immense double flowers, resembling a peony. 2 ft. Pkt. 10c; oz. 30c.

POPPY, YELLOW TULIP. See Hunnemannia.

144 **PORTULACA, Single.** Mexican Rose. Brilliant hardy annual of easy culture. Excellent for massing in beds or rock-work. Thrives best in a light, sandy soil and a sunny situation. Flowers of the brightest colors. Pkt. 10c; oz. 75c.

145 **P., Double.** Pkt. 10c; 1/4 oz. 75c.

146 **PHLOX Drummondii.** Easily grown from seed. Makes a brilliant display as a summer bedding plant. White, Pink, Scarlet, Yellow, Violet with eye, Scarlet with dark eye, and All Colors Mixed. Each, pkt. 10c; oz. \$1.50.

147 **P. Drummondii, Dwarf Cecily.** For rock-gardens. Large flowers. Mixed colors. 8 in. Pkt. 25c.

Ricinus • Castor-Oil Bean

One of our best ornamental annual plants, largely used for the center of beds, being splendidly effective grouped with cannae, caladiums, and other tall plants.

148 **Red Spire.** The shapely, bushy plants attain a height of about 6 feet, with pretty, palmate bronzy green leaves having prominent red ribs and veins. Throughout the summer and autumn it produces numerous spikes of rosy crimson flowers or seed-pods 9 to 18 inches long. Pkt. 10c; oz. 40c.

149 **Communis zanzibarensis.** Enormous leaves, varying in color from light green to purplish red. 12 ft. Pkt. 10c; oz. 25c.

150 **Communis Gibsoni.** Plants attain great dimensions (12 to 14 feet). Leaves a beautiful blood-red. Pkt. 10c; oz. 25c.

151 **M.-S. Mixture.** Appreciating fully the splendid effects that a fine array of these desirable foliage plants will make in your garden, we have composed a mixture that for elegant blending is unsurpassed. Pkt. 10c; oz. 20c.

152 **SALVIA splendens.** Scarlet Sage. There is nothing more effective in the fall or mid-summer than these immense bright scarlet flowers. Seed should be started either in the house from February until April or in hotbeds. Pkt. 10c; oz. \$1.50.

153 **S., Bonfire.** Compact, bushy plants, producing innumerable, erect spikes of the most brilliant scarlet flowers. 2 1/2 to 3 ft. Pkt. 10c; 1/4 oz. 75c.

154 **S., America or Globe of Fire.** Of dwarf, bushy, compact growth and very uniform in height and shape. Spikes of brilliant scarlet. Pkt. 25c; 1/4 oz. \$1.50.

155 **SALPIGLOSSIS sinuata.** Painted Tongue. Very beautiful hardy annual plants, flowering freely from July to early autumn. Rich soil should be provided, with plenty of space for plants to develop. S., Emperor. Light blue and gold. A variety of rich coloring. Pkt. 10c.

156 **SCABIOSA.** Mourning Bride; Pin-cushion Flower; Egyptian Rose. Beautifully colored flowers. Fine for cut-flowers. 2 1/2 ft. Rose, Blue, White, Maroon, and Mixed. Each, pkt. 10c.

S., Blue Moon. See page 3.

157 **SCARLET RUNNER.** Ornamental and useful Climbing Beans. Pkt. 10c; oz. 15c.

158 **SENSITIVE-PLANT (Mimosa pudica).** A curious and interesting, half-hardy annual with pinkish flowers. Leaves close when touched. 1 1/2 ft. Pkt. 10c.

159 **SMILAX.** A well-known greenhouse climber with small, dark green foliage. Of great value in floral work. Pkt. 10c; oz. 75c.

160 **SCHIZANTHUS.** Butterfly or Fringed Flower. A wide range of beautiful colors. Pkt. 10c.

161 **S., Giant-flowered Hybrids, Florists' Strain.** Pkts. 25c and 50c.

SNOW-ON-MOUNTAIN. See No. 72.

162 **SOLANUM, Christmas Pepper.** An improved variety, producing quantities of miniature Peppers, ranging in color from purple to brilliant red. Pkt. 10c; large pkt. 40c.

163 **S., Cleveland Cherry.** Ornamental pot-plants of dwarf, branching habit for winter decoration. Produces a great profusion of scarlet berries. 1 ft. Pkt. 10c; large pkt. 30c.

164 **STATICE.** These have become quite popular, the flowers being used extensively by many of the leading florists. The seeds, supplied in the dried flower-heads, may be started indoors or sown in the open when the weather gets warm. In order to secure satisfactory germination, the flower-heads should be placed in the soil on their sides. 18 in. All Colors Mixed. Pkt. 10c.

165 **STOCK.** Half-hardy annual. Fine for cutting, bedding or edging, also pot-culture. 1 to 1 1/2 ft. White, Pink, Yellow, Crimson, Light Blue, Dark Blue, or All Colors Mixed. Each, pkt. 10c.

167 **S., Evening-scented.** An old-fashioned favorite grown primarily for the entrancing fragrance of its pastel purplish lilac blooms. It is most fragrant during the evening hours. 18 in. Pkt. 10c.

STRAWFLOWER. See *Helichrysum*.



Stocks



Verbena hybrida compacta erecta

Sunflower - *Helianthus*

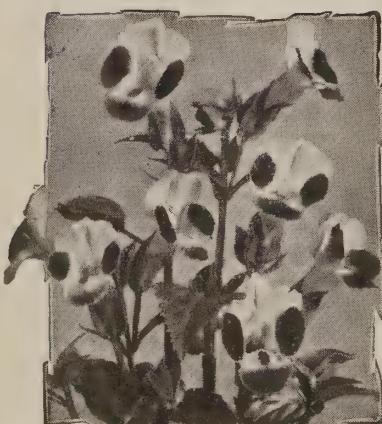
Well-known annuals, the small-flowering sorts being useful for cutting; the tall varieties valuable for backgrounds.

168 **Lilliput.** *Miniature Sunflower.* Small, single, rich yellow flowers. Abundant bloomer. 3 ft. Pkt. 10c; oz. 40c.
 169 **Dwarf Double, Globe of Gold.** Yellow flowers. 3 ft. Pkt. 10c; oz. 30c.
 170 **Maroon Prince.** Extra-large flowers, some of which are rich chestnut-red, others tipped with yellow. Tall. Pkt. 10c; oz. 60c.
 171 **Russian Mammoth.** Immense single yellow flowers on tall, heavy stalks. 6 ft. Pkt. 10c; oz. 15c.

172 **STEVIA serrata.** Free-blooming plants for summer or winter, bearing a profusion of fragrant white flowers. Fine for cutting. 2 ft. Pkt. 10c; large pkt. 30c.

173 **THUNBERGIA alata.** *Black-eyed Susan.* Beautiful, very ornamental climber. Flowers of various colors. Pkt. 10c.

174 **TORENIA Fournieri.** Showy annual flowering all summer. Splendid for vases, hanging-baskets or border. Flowers sky-blue with yellow centers. 1 ft. Pkts. 15c and 40c.



Torenia Fournieri

M.-S. Select Sweet Peas

For Sweet Pea Inoculation, see page 39. All Sweet Peas postpaid

Sow 1 ounce of seed to 25 feet of row

The soil for Sweet Peas should be rich and deep. A good loam, with plenty of well-rotted manure in it, is ideal for raising good plants that will produce plenty of blooms of good substance. Considerable benefit has been noted from the use of Inoculating Culture. We can supply a special culture for Sweet Peas for 10c—enough for any ordinary garden. Place in a position fully exposed to the sunlight and air on both sides of row.

They should be sown as early in the season as the ground can be worked, which is usually between the middle of March and the middle of April in the latitude of Baltimore, or they can be planted in October or November for earlier blooming. It is best to make a trench or furrow about 6 inches deep, in the bottom of which sow the seed. Cover with about an inch of soil, pressing it down firmly. As soon as they are above ground, thin out to 2 to 4 inches apart; when planted too close they do not attain their full development. They should be staked up, either with branches of brush or stout stakes on which wire netting has been fastened. These should be at least 4 feet high, and 5 feet would be better. The flowers should be cut as often as possible to prevent running to seed, which would cause them to stop blooming.

175. **M.-S. Superb Spencer Sweet Pea Mixture.** This superb Mixture is blended by us with extraordinary care from named varieties of the most improved large-flowering type, including recent American and European novelties, as well as a great many new hybrids, as yet unnamed, insuring gorgeous color effect. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 50c; lb. \$1.50.

176. **M.-S. Gilt-edge Mixture.** Oz. 10c; $\frac{1}{4}$ lb. 25c; $\frac{1}{2}$ lb. 40c; lb. 75c.

M.-S. Winter-flowering Spencer Sweet Peas

While these are especially adapted for forcing under glass for winter and early spring blooming, they are also valuable for outdoor culture, coming into bloom five to six weeks earlier than the regular Spencer or Orchid-flowered type, and if the flowers are kept cut, they will continue to bloom for a long time.

184 **Sterling.** Salmon-rose.
 185 **Bacchus.** Rich red.
 186 **Bridesmaid.** Deep silvery pink.
 187 **Tahoe.** Mid-blue self.
 188 **Fragrance.** Clear lavender.
 189 **Titania.** Deep rose-pink.
 190 **Hope.** Best white.
 191 **All Colors, Mixed.**

Each, pkt. 15c; oz. 60c

HARDY SWEET PEAS. See No. 265.



Sweet Pea, Pinkie

Separate Colors

175 **Ruffled Sparkle.** Glowing cerise. Very fine immense blooms. Pkt. 15c; $\frac{1}{2}$ oz. 40c; oz. 75c.
 175A **Ruffled Burpee's Blue.** Dark blue.
 175B **Ruffled Burpee's Rose.** Rich rose.
 176 **Avalanche.** Glistening large pure white.
 177 **King Lavender.** Rosy lavender.
 178 **Master Cream.** This is a fine, rich deep cream.
 179 **Pinkie.** A glorious rich rose-pink.
 180 **Kames.** White. Very fine.
 181 **Fireflame.** Bright cherry-red.
 182 **Pinkest.** Very deep rose-pink on white.
 183 **Purple King.** Deep rich purple.

Each, pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; lb. \$2.50

To have success, use *Nitragin Inoculation* on Sweet Peas. Garden Size 10c. For particulars, see page 39.

ORDER BY NUMBER AND NAME



Vinca (Periwinkle)

M.-S. Zinnias (Youth and Old Age)

One of the most showy and satisfactory of our hardy annuals for beds, mixed borders, and for cutting purposes. Easy to grow in any good garden soil. They commence flowering early in the summer and continue until frost.



Dahlia-flowered
Zinnia

M.-S. Giant Dahlia-flowered

Plants of vigorous habit, from $2\frac{1}{2}$ to 3 feet high. Mammoth flowers 4 to 6 inches across and 2 $\frac{1}{2}$ to 3 inches deep, so closely resembling decorative dahlias that when placed by their side, it is difficult to distinguish one from the other. This new type is also valuable for growing under glass for cutting.

195 Canary Bird. Canary-yellow.

196 Crimson Monarch. By far the largest and best of the red shades. Plants very vigorous.

197 Dream. A fine deep lavender turning to purple—a new, desirable shade in Zinnias.

198 Exquisite. One of the most pleasing in the collection. Truly Dahlia-flowered as regards form and size. Light rose blooms with deep rose centers.

199 Golden Dawn. A very rich golden yellow.

200 Illumination. Bright deep pink.

201 Purple Prince. A fine, deep purple, large and well formed.

202 Oriole. One of the most beautiful of its class. An immense orange and gold bicolor, changing slightly as it ages.

203 Polar Bear. A very large pure white. The best white yet seen in Zinnias.

Each, large pkt. 10c; 3 pkts. 25c; oz. \$1.25

Collection:

One pkt. each of the above 9 sorts, 75c

204 Finest Mixed. Containing a wonderful range of beautiful colors. Pkt. 10c; 3 pkts. for 25c; oz. \$1.00.

Gold Medal Dahlia-flowered

204A Will Rogers. New. Loveliest and most brilliant scarlet-red. Pkts. 15c and 40c.

Fantasy or Chrysanthemum-flowered

Quite different from any other type.

205 Star Dust. Golden yellow. Gorgeous bedding variety and an exceptional cut-flower.

205A Orange Lady. Deep orange.

205B Rosalie. Intense rose.

205C White Light. Fine white.

206 Mixed. A bright, colorful mixture of many shades. Pkt. 10c; $\frac{1}{8}$ oz. 25c; $\frac{1}{4}$ oz. 40c.

206A Super Crown o'Gold, Pastel Tints.

The many exquisite pastel tints represented in this glorious new strain are truly enchanting. Flowers are large and showy, more than 5 inches in diameter, and are borne profusely throughout the summer and fall on plants 3 feet tall. Pkt. 10c; special pkt. 25c.

207 SCABIOUS-FLOWERED. The plant reaches a height of 40 inches and flowers profusely. Its outstanding feature consists in the formation of the flower forming an outer ring of long petals, whereas the center shows many small flowers which at first sight have a great likeness to the scabiosa. Mixed colors. Pkt. 10c.

208 DWARF DOUBLE. Compact bushes not over 2 feet in height. Scarlet, Pink, Yellow, White, Lavender, and All Colors Mixed. Each, pkt. 10c; oz. 50c.

M.-S. CALIFORNIA GIANTS. Plants grow to a height of 3 to 4 feet with immense, perfectly double, flat flowers, splendid for cutting or garden effect.

209 Brightness. Bright pink.

210 Daffodil. Canary-yellow.

211 Grenadier. Bright red.

212 Lavender Queen. Deep rosy lavender.

213 Purity. Best white in Zinnias.

Each, pkt. 10c; special pkt. 25c; oz. \$1.25;
Special, 1 pkt. of each, 40c

214 California Giants, Mixed. Pkt. 10c;
Special Pkt. 25c; oz. \$1.00.



California Giant Zinnia

215 LILLIPUT or POMPON. A very pretty type of compact habit not over 15 inches high, bearing in lavish profusion, small, densely double flowers on long stems, held well above the foliage. Make a good border or bed and are of more than usual value for cutting. Yellow, Purple, Pink, Red, White, Lilac, and All Colors Mixed. Each, pkt. 10c; oz. \$1.00. One pkt. of each color (6 pkts.) 50c.

216 PUMILA, PICOTEE, DELIGHT. One of the best florists' cut-flower Zinnias on the market. Flowers medium size, petals curled, with picotee markings. Plants 2 to 2 $\frac{1}{2}$ ft. **Finest Mixed**

Golden Ray. Golden orange.
Salmon-Rose

Each, pkt. 10c; $\frac{1}{8}$ oz. 30c; $\frac{1}{4}$ oz. 50c

217 LINEARIS. Single; golden orange with yellow stripe on each petal. Fine for border or window-boxes. Early. Blooms profusely until frost. A neat, compact plant. 10 in. Pkt. 15c; 2 pkts. for 25c.

218 GAILLARDIA-FLOWERED. Another new type, mixed colors, ranging in pink, bronze, yellow, orange and lavender, mostly two-toned; 2-inch flowers. 2 feet tall. Pkt. 10c; $\frac{1}{4}$ oz. 25c.

219 TOM THUMB MINIATURE, Mixed. A charming type with plants growing 6 to 10 inches high, forming compact little bushes covered with perfectly double blooms of miniature size. Includes all popular Zinnia shades such as red, orange, yellow, pink, rose, and many others. Pkt. 10c; $\frac{1}{4}$ oz. 50c.

220 HAAGEANA, MEXICAN HYBRIDS, Mixed. Very popular small-flowering Mexican Zinnias, which have a charm all their own. Excellent for bedding, making a fine display, with long stems. Exceptionally good for house decoration. The mixture contains many attractive colors and color combinations. Pkt. 15c; 50c per large pkt.

220A CREEPING ZINNIA (*Sanvitalia procumbens*) For beds, borders and edging. The 6-inch plants bloom all summer and fall. Small bright yellow flowers. Pkt. 10c; $\frac{1}{4}$ oz. 75c.

220 $\frac{1}{2}$ Annual Flower Seeds for Wild Gardens

A Surprise Collection, Containing Practically Every Annual in Existence

Large borders, along carriage drives and woodland walks, shrubbery borders, and the like, may be pleasingly brightened as a result of freely sowing mixed flower seeds. The expense involved is nominal in comparison with the wealth of bloom obtained. Such plantings will be a continuous source of joyous surprise to you as, among the many growing annuals, you recognize old friends or discover new ones. And at blooming time, some of the cheery flowers may be cut and transferred indoors without noticeably lessening the charm of the outdoor plantings. Be careful not to sow the seeds too close together, as suitable space for plant development will contribute to the effectiveness of your planting. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 60c; lb. \$2.00.

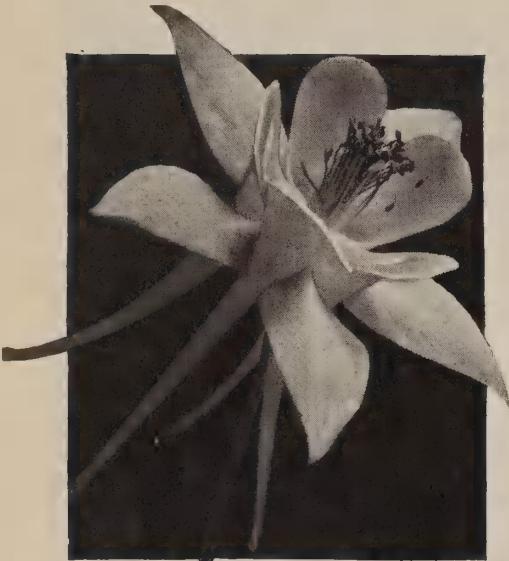


Fantasy Zinnia, Star Dust

PERENNIAL AND BIENNIAL FLOWER SEEDS

Pkt. 10c, unless otherwise noted
Cultural Directions for Sowing Perennial and Biennial Flower Seeds

Perennial seed may be sown outdoors from May until September. A good, finely sifted soil should be used, to which add some sand and granulated peat moss. It is absolutely necessary that a shaded location be selected, or if sown in a coldframe, lath coverings or sash covered with burlap should be used. The soil must be kept moist at all times, therefore we deem it advisable to sow in this manner. If the soil should become dry for only a short period, the seed would be destroyed.



Columbine (Aquilegia)

221 ANCHUSA italicica, Dropmore. Rich gentian-blue. 3 to 5 ft. May, June. Pkt. 10c.

222 ANTHEMIS tinctoria. Hardy Marguerite. A handsome, hardy perennial, bearing daisy-like bright yellow flowers all summer. Excellent for cutting. 2 ft. Pkt. 10c.

223 ACONITUM. Monkshood. Pkt. 10c.

224 ALYSSUM saxatile. Basket of Gold. Yellow. For rock-gardens. Pkt. 10c.

225 ANEMONE coronaria, St. Brigid's Choice Double, Mixed. Anemones are easily grown from seed, bloom early, when good cut-flowers are scarce, and are perfectly hardy. Pkt. 10c.

AQUILEGIA. See Columbine.

226 ARMERIA formosa. Sea-Pink; Thrift. Large, brightly colored, ball-shaped flowers. 16 in. Pkt. 15c.

227 ARABIS. Rock-Cress. Early spring-flowering plants especially adapted for edging and rockery. Pure white blossoms in May. 6 in. Pkt. 10c.

228 ASTER, PERENNIAL. Michaelmas Daisy. Pkt. 10c.

BELLIS. See Daisy, English.

229 CAMPANULA Medium. Canterbury Bells. Biennials which, if sown during the summer, bloom the following June, after which the plants die. They are fine border plants and the color of the flowers is exceptionally pure.

Single. Cup-and-Saucer. Blue, Pink, White, or Mixed.

Double. Mixed.

Each, pkt. 10c

230 CANDYTUFT, Perennial (Iberis). White and Lilac. Each, pkt. 10c; $\frac{1}{4}$ oz. 80c.

A common mistake in sowing flower seeds is covering too deeply; as a general rule cover only to a depth of the thickness of the seeds. Some seeds are of much slower germination than others, therefore it is wise not to be impatient. For instance, Hardy Primulas will often lie dormant in the ground for six months to a year; Columbines and other varieties of a like nature, two to three months. As soon as the plants are large enough to handle, they should be transplanted to the permanent location in the perennial border or nursery rows.

231 CARNATIONS, Hardy Border. Dwarf, compact plants with a great profusion of double flowers in various colors. Early flowering and invaluable for cutting. Will bloom first year if seed is sown early. Carnations like lime. 1 ft. Red, Pink, White, Yellow, and Mixed. Each, pkt. 15c; special pkt. 50c.

232 CHINESE LANTERN PLANT. An ornamental plant, forming dense bushes about 2 feet high, producing freely its bright orange-scarlet, lantern-like fruits which can be cut and dried for winter bouquets. Pkt. 10c.

233 CHEIRANTHUS Allioni. Siberian Wallflower. A biennial. Brilliant orange flowers. 1 ft. For the rock-garden. Pkt. 10c.

234 COREOPSIS lanceolata grandiflora. A hardy perennial bearing a profuse and long-continued succession of large, bold, golden yellow flowers during the whole summer. Seed sown in March will flower the same season. 2½ ft. Pkt. 10c.

234A C., Double, Sunburst. Large; golden yellow. Fine cut-flower. Pkt. 10c.

235 COLUMBINE (Aquilegia). Graceful plants with long-spurred flowers. Thrives under ordinary garden culture. Orange and Scarlet, Blue, Pink, and All Shades, Mixed. Each, pkt. 10c.

236 C., Mrs. Scott Elliott's Strain. Pkt. 25c.

237 DAISY, English, Double (*Bellis perennis*). Seed should be sown from June 1 until September, transplanted in the fall, and they will flower the following spring. If sown in the spring, they will flower in the autumn. 4 in. White, Pink, Crimson, and Mixed. Each, pkt. 10c.

SHASTA DAISY. Very large, white flowers on long stems.

238 Single. Pkt. 10c.

239 Double. Fine for cutting. Extra-large. Pkt. 25c.

DELPHINIUM. Hardy Perennial Larkspur. Highly prepossessing plants of stately appearance and of easiest culture. Their main season of bloom is in June, but if the flower-spike is cut back promptly it will branch and flower all through fall.

240 D. Bellamoum. Deep blue. Pkt. 10c; $\frac{1}{4}$ oz. \$1.00.

241 D. Belladonna. Light blue. Pkt. 10c; $\frac{1}{4}$ oz. \$1.00.

242 D., Iceberg. Pure white. Pkt. 10c; $\frac{1}{4}$ oz. \$1.00.

243 D., Deep Scarlet. Pkt. 10c; $\frac{1}{4}$ oz. \$1.50.

244 D., Prize Mixture of Tall Varieties. A glorious strain, comprising outstanding colors and varieties. Pkt. 10c; $\frac{1}{4}$ oz. \$1.00.

245 D., Wrexham Extra-Double New Hybrids. Large, double flowers in big heavy spikes. A fancy blending of light and dark shades. Pkts. 25c and 50c.

246 D., M.-S. Hollyhock Strain, Choice Mixed. Producing one large spike with double and single flowers of enormous size. Light shades. Pkts. 25c and 50c.

ORDER BY NUMBER AND NAME

247 DIANTHUS plumarius. Garden Pinks. These varieties are well adapted for beds and borders. They have a delightful, refreshing, spicy odor. Should be in every garden where cut-flowers are wanted, and make a fine edging to a hardy border. Single or Double, Mixed. Pkt. 10c; $\frac{1}{4}$ oz. 40c.

248 D. latifolius atrocoeruleus. Double; pink shades. Dwarf. Very free flowering. For rock-garden. 1 ft. Pkt. 10c.

249 DIGITALIS. Foxglove. Handsome ornamental hardy plants of stately growth, succeeding almost anywhere. Produces long spikes of beautiful, tubular-shaped flowers. 4 to 5 ft. Purple, Pink, Salmon, Spotted, White, Yellow, and All Colors Mixed. Each, pkt. 10c; oz. \$1.00.

250 FLAX (*Linum*).

Bright Blue. 24 in.

Scarlet. 16 in.

Yellow. 12 in.

Each, pkt. 10c

251 FEVERFEW. Double; white. Fine for cut-flowers. 1½ ft. Pkt. 10c.

252 GEUM. Double flowers of intense orange-scarlet. For sunny location. 2 ft. Mrs. Bradshaw. Double; scarlet. Lady Stratheden. Golden yellow.

Each, pkt. 10c

253 GAILLARDIA. If sown early, will bloom first season. Mixed. Pkt. 10c; oz. 90c.

253A GERBERA. Transvaal Daisy. Tender perennial producing showy, daisy-like flowers on long stems. Pkt. 25c; 100 seeds 75c.

254 GYPSOPHILA paniculata alba. White. Pkt. 10c; oz. 75c.

255 G. repens. A fine trailing plant, covered with tiny flowers. For rock-gardens. 8 in. White and light rose. Pkt. 10c.

256 HIBISCUS. Mallow. Easily grown, strong plants with large, showy flowers. 4 ft. Various colors, mixed. Pkt. 10c.

257 HEUCHERA sanguinea. Coral-Bells; Alumroot. Spikes of vivid crimson flowers. Excellent for cutting. 1 ft. Pkt. 10c.



Shasta Daisies

Pyrethrums Are Lovely and Keep Insects Away

258 HELIANTHEMUM mutabile. Rock- or Sun-Rose. A very pretty perennial for the rockery, completely covered with masses of bloom from July to September. 1 ft. Choice mixed varieties. Pkt. 10c.

259 HOLLYHOCK, Double. Copper, Black, White, Yellow, Newport Pink, Crimson, and Mixed. Each, pkt. 10c; oz. \$1.25.

260 H., Single. Choice colors, mixed. Each, pkt. 10c; oz. \$1.25.

261 HONESTY (Lunaria). Hardy biennial, admired for its silvery seed-pods which are used for ornamental purposes. Beautiful and curious. 2 ft. Pkt. 10c.

262 HELIOPSIS Pitcheriana. Orange Sunflower. A handsome hardy perennial, producing an abundance of double orange-yellow flowers the first season. Excellent for cutting. 3 to 4 ft. Pkt. 10c.

263 HELIANTHUS. Sunflower. Miniature double. 3 to 4 ft. Pkt. 10c.

264 KUDZU VINE (Pueraria Thunbergiana). A beautiful climber, remarkable for its great vigor of growth and its handsome purple flowers. Perfectly hardy, increasing in size and beauty year after year. Fine for arbors, verandas, etc. Pkt. 10c.

265 LATHYRUS latifolius. Perennial Sweet Pea. Showy, hardy climber fine for covering walls and stumps. Free flowering. Pink, Red, White, and Mixed. Each, pkt. 10c; oz. 75c.

266 LUPINUS. Hardy perennials of easy culture, with graceful spikes of pea-shaped flowers in May and June. 2 to 3 ft. Blue, Pink, White, and Mixed. Each, pkt. 10c.

266½ RUSSELL LUPINS. New miracle flowers. The 4-foot plants bear enormous, symmetrical flower-spikes 5 inches in diameter and up to 3 feet in length. Gorgeous colors in all shades of the rainbow. Flowers keep well when cut. 12 seeds 25c; 50 seeds 65c; 150 seeds \$1.25; 350 seeds \$2.50 in grower's original packets.

267 LAVENDER vera. Fragrant blue flowers. Pkt. 10c.

LUNARIA. See **Honesty**.

MYOSOTIS. Forget-me-not. Beautiful half-hardy perennials, succeeding best in moist, shady situations. Sown in the spring they will flower in the fall; if wanted for early spring flowering, seed should be sown in frames in July or August.

268 M. alpestris. Plants of bushy habit, bearing bright blue flowers. Very fine. For rock-garden. Pkt. 10c.

269 M. palustris. Dwarf, everblooming blue sort. Pkt. 10c.

MYOSOTIS, continued

269A M. grandiflora alba. White. Pkt. 10c.

269B M. grandiflora rosea. Pink. Pkt. 10c.

270 NEPETA Mussini. A favorite perennial. Blue-gray foliage. Pale mauve flowers. For rock-garden. 9 in. Pkt. 10c.

271 GENOTHERA missouriensis. Large bright yellow flowers. For rock-garden. 4 in. Pkt. 10c.

272 PENTSTEMON grandiflora, Mixed. A splendid mixture of flowering sorts in a good range of colors. Hardy. Pkt. 15c.

273 POPPIES, Oriental. Perfectly hardy plants with enormous flowers. 3 ft. Crimson-scarlet and Mixed. Each, pkt. 10c.

274 P., Mrs. Perry. Rich salmon-pink. Pkt. 15c.

275 P., Iceland. These dwarf, bright Poppies are most beautiful when grown in masses from seed sown every year. 1 ft. Pink, Orange, Yellow, and Mixed. Each, pkt. 10c.

276 PHYSOSTEGIA. False Dragonhead. Very pretty, making dense bushes, bearing freely, delicate, tubular pink flowers. July, August. 3 to 4 ft. Pkt. 10c.

277 PRIMULA veris, Hybrids. Cowslip Primrose. Hardy Primroses among the most prized of our spring-blooming plants. 1 to 1½ ft. Mixed colors. Pkt. 10c.

278 P. obconica. Top Primrose. Winter- and spring-blooming pot-plant. Pkts. 60c and \$1.00.

279 PLATYCODON grandiflorum japonicum. Japanese Balloon-Flower. Blue, bell-shaped flowers all season. 2 to 3 ft. Pkt. 10c.

280 PYRETHRUM. Handsome hardy perennial plants for the herbaceous border. Single Mixed and Double Mixed. Each, pkt. 10c.

281 P., Dark Red, Kelway Strain. Pkt. 15c; ¼ oz. \$1.00.

282 PHLOX, HARDY. For a gorgeous show these are the most satisfactory of all perennial plants. Mixed colors only. Pkt. 10c; ¼ oz. 50c.

283 RUDBECKIA Newmanni. Showy Coneflower. One of the finest of autumn-flowering perennials, bearing large flowers made up of bright orange-yellow petals surrounding a big black cone. Pkt. 10c.

284 R. purpurea. Most interesting plant, producing all summer, large, showy, reddish flowers. Pkt. 10c.

285 SALVIA azurea. Produces spikes of sky-blue flowers during August and September. 3 to 4 ft. Pkt. 15c.

286 STATICE latifolia. Sea-Lavender. Splendid hardy perennials, either for the border or rockery, producing, all summer, panicles of minute purplish blue flowers, which can be dried and used for winter bouquets. 2 ft. Pkt. 10c.

287 SAPONARIA ocymoides. A splendid plant for the rockery. Rose-colored flowers. 9 in. Pkt. 10c.

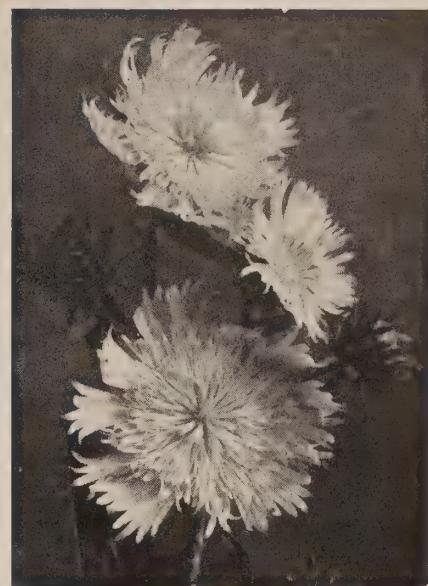
288 SCABIOSA. One of the handsomest of hardy perennials, especially valuable for cutting, the blooms lasting a long time in water. 3 ft. Lavender, White, and Mixed. Each, pkt. 10c.

289 S., Isaac House Strain. An improvement on the above with larger flowers and longer stems. Color, from soft lavender to dark blue. Mixed. Pkt. 15c.

290 STOKESIA laevis. Cornflower Aster. Blooms all summer. Large, attractive, blue flowers, resembling asters. Fine cut-flowers. 2 ft. Pkt. 10c.

Sweet Peas. See No. 265.

292 SWEET ROCKET (Hesperis). Excellent for naturalizing among shrubbery or for planting in a permanent border. Fragrant flowers. 2 to 3 ft. White, Lavender, and Mixed. Each, pkt. 10c.



Stokesia laevis

293 SWEET WILLIAM (Dianthus barbatus).

This is one of the finest of our hardy garden plants. Single Scarlet, Newport Pink, White, Auricula-eyed, and All Colors Mixed and Double Mixed. Each, pkt. 10c; oz. 75c.

294 S. W., Dwarf or Alpine. A fine new strain of excellent dwarf type, most suitable for edging and rock-gardens. The flower-heads are very large and the color-range a selection of many bright and dark shades. Pkt. 25c; large pkt. 75c.

295 TRITOMA hybrida. Red-Hot Poker; Flameflower; Torchblily. Pkt. 10c.

296 VALERIANA officinalis. Garden Heliotrope. Hardy perennial border plant. Large, fragrant flowers with odor resembling that of the heliotrope. 2 to 3 ft. Mixed, Red and White. Pkt. 10c.

297 VIOLET, Blue Czar. Deservedly much in demand because of its profusion of single, blue blooms and delicate odor. Pkt. 10c.

298 VERONICA. Speedwell. Blue flowers. June, July. 1½ ft. Pkt. 10c.

299 VIOLA cornuta. Tufted Pansy. For rock-garden. All colors, mixed. Pkt. 10c; oz. \$2.50.

300 V., Jersey Gem. Possesses the dwarf habit and continuity of bloom of the Tufted Pansy, but is of more vigorous growth, making it one of the finest bedding varieties. Blooms rich violet, slightly perfumed. For rock-garden. Pkt. 50c; large pkt. \$1.25.

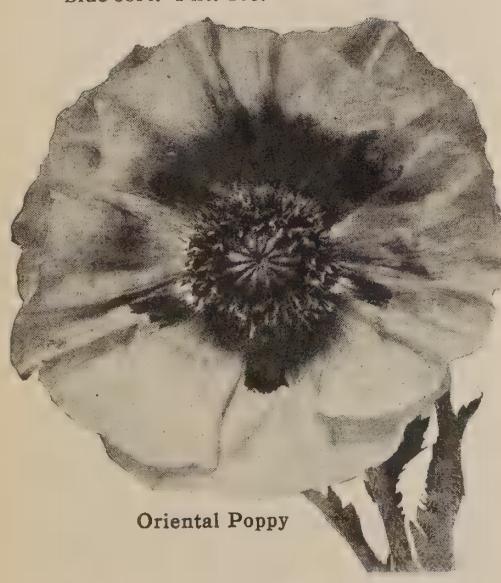
301 WALLFLOWER. Favorite sweet-scented flowers of fine colors. Splendid for cutting and useful as spring bedders. Single- and double-flowering, finest mixed. Each, pkt. 10c.

W., Siberian. See No. 233.

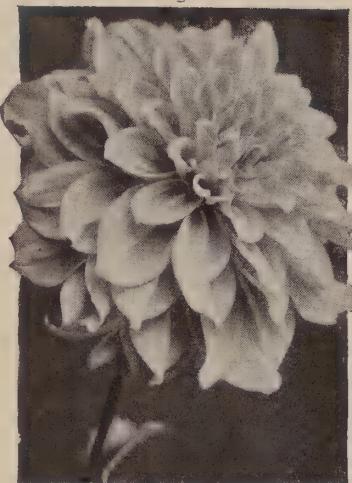
The Book of Perennials By Alfred C. Hottes

Tells how to grow successfully and enjoy over 145 genera of our most popular and durable of border plants. Lists of different perennials for different purposes and a condensed tabular list of over 500 species. Gives general principles of growing, using, selecting, propagating; discusses insect and disease troubles and remedies. 280 pages, 117 illustrations. Cloth \$2.00, postpaid \$2.15.

ORDER BY NUMBER AND NAME



Oriental Poppy



Decorative



Cactus



Show or Ball



Decorative

M.-S. SUPERB DAHLIAS

CULTURE. Dahlias are at their best during the latter part of September or early in October. To get exhibition blooms, disbud plants up to August 1. Spade or plow the soil 1 to 1½ feet deep; fertilize with Wizard Brand Manures and Hyper-Humus; scatter

about ¼ pound of bonemeal around each hill when planting. If soil is very heavy, incorporate a liberal quantity of granulated peat moss. About August 1, apply ¼ pound of M.-S. Special Plant Food to each plant and work in thoroughly.

For Parcel Post orders on Dahlias, add 5c to each; 25c for each dozen

Seven New Giant-flowering Dahlias for 1941

One of the Finest Collections Offered

America's Sweetheart. Beautiful deep clear bright yellow blooms of fine form, with full center. Flowers stand erect on good stiff, long stems. Fine for either cutting or exhibition, \$1.00 each.

Dwight W. Morrow. Large; velvety cardinal-red. Free bloomer. 50c each.

Mrs. Wm. Knudsen. Very large, waxy looking white blooms of fine form. Free flowering. Good stems, \$1.00 each.

Verchie Hancock. Very large, beautiful, full flowers of golden bronze, flaked and striped golden yellow, with strong cane stems. Exceptionally free flowering. An excellent cut-flower. \$2.00 each.

Mrs. J. K. Alexander. Unusually large, exceptionally clear buttercup-yellow blooms that reach 12 to 14 inches in diameter. Very free bloomer on fine long stems. Excellent for exhibition. \$1.00 each.

Cavalcade. Tyrian pink; large and fine; excellent stems. 50c each.

Wonder Pink. Very soft pink, different from any other shade, exceptionally large with good stems. \$1.00 each.

SPECIAL OFFER

One each of above 7 varieties, \$5.00

Show or Ball Dahlias

These Dahlias are excellent cut-flowers because they will last very long in water. They do not grow as large as the Decorative type but are very pretty.

All, 25c each

The 5 for \$1.00

A. D. Livoni. Pink, on the orchid shade. Fine cut-flower.

White Swan. Pure white.

Maude Adams. Snow-white, overlaid pink. Very lovely as a cut-flower.

Mrs. Clara D. Anderson. Deep garnet.

Miss Helen Hollis. Fiery red. Very fine.

Decorative Dahlias

All large-flowering Dahlias, excellent for decorating or exhibition or for the house, as a cut-flower. Proven by test to be the best.

3 of any 25c variety for 60c; 3 of any 35c variety for 75c; 3 of any 50c variety for \$1.25.

The entire list (24 roots) for \$7.50

Alice Marie Galvin. White with faint tones of cameo-pink. 35c.

Alma Alexander. Deep orange. 25c.

Avalon. A pure yellow. 25c.

Avonella. Amaranth-purple with a sheen of rose-purple on reverse. 50c.

Bishop Francis J. Spellman. Pure white; long stems. One of the best. 50c each.

Champoe. This is one of the finest three-colored Dahlias offered. Lemon-yellow, suffused rose, with soft carmine overlay. Good stems. 50c.

Charlotte Alexander. White veined purple. 25c.

Coquette. Red and gold, beautiful. 35c.

Francis Larocco. Fine clear light yellow. One of the best cut-flowers grown. 25c.

Ida Tarbell. Dazzling red. A grand flower. 35c.

Jane Cowl. A blend of bronze, buff, and gold. Excellent stems. 25c.

Jaurice. Large; purplish crimson; fine long stems. 50c.

Jersey's Beacon. Chinese-red. Fine flower. 25c.

Jersey's Beauty. True pink. One of the finest. 25c.

King of the Blacks. Nearest to black of any Dahlia grown. Fine form. 50c.

Mabel Goodacre. Soft pink and salmon, suffused with orange. 50c.

Margaret K. Alexander. Buff-yellow. 25c.

Mrs. G. LeBoutillier. One of the finest. Bright carmine-red to rich cardinal with full center. 50c.

Mrs. I. de Ver Warner. Mauve-pink, more to the orchid shade. Free flowering. Very fine. 25c.

Pride of California. Fine red. Grand cut-flower. 25c.

Rocky Ledge. One of the best yellows grown. 35c.

Rose Alexander. Deep chrome-orange, edge of petals tipped white. 50c.

Sanhican's Queen. Very fine apricot and carmine-rose. 35c.

White Wonder. Large; fine clear white. 35c.

Miniature or Art Dahlias

Small-flowering kind. Superior as a cut-flower.

Fairy. A Jersey's Beauty pink. Very fine.

Irene. Deep rose-orange. Free flowering. Very pretty.

Sanhican's Sweetheart. Apricot and shrimp. Very fine, and free.

Teddy Johnson. White tipped pink. Very effective and free.

All, 35c each. The 4 for \$1.00

Single Dahlias

Try some of these. You will get much pleasure from their unusual beauty.

Achievement. Crimson and white. Very pretty. Free flowering.

Black Bird. Deep maroon, almost black. Very beautiful. Unusually free.

Old Rose. Deep rose-pink. Good stems.

Yellow Queen. Clear bright yellow. Good stems.

All, 25c each. The 4 for 75c

Cactus Dahlias

These are of the curled and twisted type.

The 7 for \$2.00

Andreas Hofer. Light pink, white center. 50c.

Chemar's Masterpiece. Large; orchid-pink. 50c.

Elkridge. Splendid pure white. 50c.

Libelle. Deep purple. 25c.

Mrs. Ethel F. T. Smith. A large white Dahlia shading to lemon-yellow. 25c.

Roycroft. Golden bronze. 25c.

Samuel T. Alexander. Japan rose. 50c.

Pompon Dahlias

These are sometimes called "Bouquet Dahlias" as they are exceptionally fine as a cut-flower.

All, 25c each. The 7 for \$1.25

Bit O'Lilac. Lilac. Exquisite.

Golden Queen. Rich yellow.

Jessica. Amber, tipped red.

Kitty C. Bright red. Very fine.

Little David. Deep orange.

Raphael. Maroon.

Snowclad. White. Very good.

MODERN DAHLIA CULTURE. By W. H. Waite

The originator of Jersey's Beauty and other highly popular Dahlias. Gives soil, fertilizers, propagation, culture, pruning, insect pests and diseases, winter storage and classifications. 132 pages, 24 illustrations, and 6 color-plates. Cloth \$1.50, postpaid \$1.65.

M.-S. SUPERFINE GLADIOLUS

Novelty Collection

Beacon. Bright rose-scarlet with cream throat.

King Arthur. Ruffled deep lavender.

Morocco. This is the darkest of all reds.

Peggy Lou. Deep shrimp-pink, slight rosy cast, peppering of deeper rose in the throat.

Shirley Temple. Light cream with deeper throat.

Vagabond Prince. Very attractive. Brown, red blotch.

10c each

M.-S. NOVELTY COLLECTION: One of each (6 varieties), 40c; 2 of each (12 bulbs), 75c; \$5.00 per 100. 50 at 100 rate.

Bulbs kept separately, same price

M.-S. Giant-flowering Mixed Gladiolus

Composed of all named varieties in gorgeous blending

35c per doz.; \$2.00 per 100. 50 at 100 rate



Gladiolus, Shirley Temple

M.-S. Gladiolus Collection No.1

Canberra. A beautiful clear yellow; long spikes.

Commander Koehl. One of the finest red varieties. Flowers large, brilliant scarlet-blood-red, on tall stems.

Debonair. La-France-pink. A grand exhibition variety.

Duna. Soft bright pinky buff, shading to pale yellow—a distinct new shade in Glads.

J. S. Bach. Most outstanding red.

Maid of Orleans. Large, perfectly formed white flowers with cream centers, on straight spike.

Minuet. Light lavender, with 4 to 6 large, heavy blooms open at one time.

Mother Machree. Lavender, enhanced by an overlay of salmon-pink.

Mrs. E. J. Heaton. Glowing salmon, cream throat.

Picardy. Clear flesh-pink, quite unmarked, shading to soft shrimp-pink at the petal edges. Flowers are often 6 inches or more across, and as many as ten of them, open in full glory at one time on the tall, straight spikes.

Sonatine. Large; pink. Very fine.

Veilchenblau. First large violet-blue variety; lower petals have a darker blotch.

COLLECTION NO. 1: One of each (12 varieties), 60c; \$4.00 per 100. 50 at 100 rate.

Bulbs kept separately, same price

M.-S. Gladiolus Collection No.2

Aflame. Begonia-rose, edged with bright orange flame.

Betty Nuthall. One of the finest. A soft tone of light salmon-pink with pale orange throat.

Dr. F. E. Bennett. Shows up like "houseafire." Large, bright scarlet flower.

Giant Nymph. Light pink, suffused with cream-yellow; large flowers on strong spikes.

Golden Dream. Clear deep yellow; long stems.

La Paloma. A vivid, orange-colored Gladiolus of large size. Splendid spikes for cutting.

Marmora. Extra-large, lavender-gray flowers with pale purplish blotch, on long stems, 8 to 12 open at one time.

Mrs. Van Konynenburg. Light violet or lavender-blue. Early midseason. Tall grower.

Mrs. Leon Douglas. Often 6 feet tall, with large flowers of choice rose-pink.

Peace. Enormous, pure white flowers with lilac feather on the lower petal.

Persia. Shiny, velvety dark maroon. Almost black.

Red Phipps. Magnificent tall spikes set with huge light red blooms.

COLLECTION NO. 2: One of each (12 varieties), 50c; \$3.00 per 100. 50 at 100 rate.

Bulbs kept separately, same price

Our Bulbs Are 1 1/2 Inches and Up

If to be sent by Parcel Post, add postage at 5c per doz.; 25c per 100

Our list comprises the best of recent introductions as well as the most popular of the standard varieties. Plant bulbs 4 inches deep and 6 inches apart.



Gladiolus, Peggy Lou



Begonias, Tuberous rooted

Hardy Amaryllis - Lycoris

Large, fragrant pink blooms during the summer. The spring foliage dies down before the blooms appear. \$1.00 each; 3 for \$2.75.

Begonias, Tuberous-rooted

Enormous, waxlike flowers appear uninterruptedly from June until frost. Start indoors in March, and transfer when frosts are over.

A most charming plant with beautiful foliage. We are offering single and double varieties in Crimson, Rose, Yellow, Scarlet, White, Salmon, and Mixed. 1½ to 2-in. bulbs, 25c each, \$2.50 per doz. If to be sent postpaid, add 2c each; 15c per doz.

Fancy-leaved Caladiums

Most attractive ornamental foliage plants of easy culture. Will do well outdoors in the open as well as in pots in a half-shaded exposure, with plenty of moisture and rich humus-containing soil. Also as house plant or for conservatories, or in window-boxes between ferns or small palms, they give a very beautiful effect.

Ten Outstanding Varieties. Can be supplied in separate colors or mixed. 25c each; \$2.50 per doz. If to be sent postpaid, add 2c each; 10c per doz.

Caladium - Elephant's-Ear

As centerpieces in flower-beds, Caladiums answer well. Monster bulbs, 15c each; \$1.50 per doz. If to be sent postpaid, add 5c each; 25c per doz.



M.-S. Superfine Cannas

MISCELLANEOUS BULBS

M.-S. Superfine Canna Bulbs

CULTURE. Canna tubers should not be put into the ground until the soil has become warm. Start indoors middle of March. They commence blooming in June and continue until frost. Every shoot bears flowers and these shoots are being constantly produced throughout the blooming season.

NOTE. Our prices are for dormant roots in strong divisions of 2 and 3 eyes. After May 1 our stock of roots is usually sold, at which time we can fill orders with plants of some varieties.

GREEN FOLIAGE VARIETIES

City of Portland. Glowing pink. 3½ ft. 10c each, 90c per doz.

Copper Giant. Immense madder-red flowers with a suffusion of rose that gives a coppery effect. 4 ft. 10c each; 90c per doz.

Eureka. Best white. 4 ft. 10c each; \$1.00 per doz.

Hungaria. Plant dwarf and compact. Flowers rich peach-blossom-pink. Foliage green and very massive. 3½ ft.

The President. This splendid variety produces immense flowers of a rich, glowing scarlet. Green foliage. 3½ ft.

Wintzer's Colossal. One of the largest flowering varieties. Bright scarlet. Green foliage. 5 ft.

Yellow King Humbert. A sport from King Humbert and a majestic variety with massive foliage. Flowers golden yellow, dotted red. Green foliage. 4½ ft.

BRONZE FOLIAGE VARIETIES

King Humbert. Coppery scarlet flower and broad, deep bronze foliage. 4 ft.

Shenandoah. Flowers salmon-pink, in large clusters. Ruby-red foliage. 4 ft.

Wyoming. Orange-chrome-red. Bronze foliage. 6½ ft.

All Cannas, 5c each; 50c per doz.; \$3.50 per 100, except where noted

For postage, add 10c per doz.; 25c per 100

CANNA PLANTS in season, market price.

Hyacinthus candidans

Cape Hyacinth

A strong-growing, summer-flowering variety of Hyacinth quite distinct from those which bloom in the spring. Makes a strong stately flower-spike, 3 to 5 feet high, which bears from 20 to 30 pure white, bell-shaped blooms during the summer and early fall. It is hardy here. 10c each; \$1.00 per doz.

Madeira Vine

Heart-shaped leaves and feathery flowers with delicious fragrance. Here is what you want if a quick growth is desired. Hardy in this latitude if protected with litter. Roots, 10c each; 3 for 25c. If to be sent postpaid, add 2c each; 10c per doz.

Montbretias

These are one of the brightest and most attractive of summer-flowering bulbs and should be planted extensively. Set out in the early spring, in clumps of a dozen or more, placing the bulbs 3 to 6 inches apart. They should be protected during the winter with a heavy covering of leaves or litter.

Fire King. Fiery red.

George Davison. Pure golden yellow.

Meteor. Orange-red.

75c per doz.; \$5.00 per 100. 50 at 100 rate. If to be sent postpaid, add 5c per doz.; 20c per 100

MAY—Plant Outdoors

Begonias Caladiums Montbretias
Cannas Dahlias Gladiolus
Tuberoses All potted plants

SEPTEMBER, OCTOBER AND NOVEMBER

Hyacinths Tulips Narcissus Lilies
Jonquils Crocus Peonies
In fact, all spring-flowering bulbs

List in season, on request

Oxalis

Valuable for edging. Blooms all summer.
Lasiandra. Rosy pink. Beautiful cut foliage.
Hardy perennial. Mammoth bulbs, 30c per doz.; \$2.00 per 100. If to be sent postpaid, add 5c per doz.; 20c per 100.

Peruvian Daffodil

Ismene calathina

A grand summer-flowering bulb with large, amaryllis-like, pure white, fragrant blossoms. Keep the bulbs in a dry, warm place and plant out in June. Take up in October, rest a few weeks, and then pot for winter flowering in the house. 20c each; \$2.00 per doz. If to be sent postpaid, add 5c each; 20c per doz.

Tigridia - Shellflower

Mexican bulbs producing showy, large, oddly shaped blooms of exotic beauty. Well suited to planting in the mixed border. Handle the same as gladiolus. Blooms all summer long. 1½ ft. 20c each; \$1.75 per doz.

Tuberoses

CULTURE. One of the most fragrant and popular of the summer-flowering bulbs. May be started early in hotbeds or pots or planted in open ground after May 1.

Albino (Mexican). Single. 10c each; 60c per doz.; \$4.00 per 100.

Double Pearl. Most popular. Giant bulbs, 40c per doz.; \$2.75 per 100.

If to be sent postpaid, add 10c per doz.; 25c per 100

Zephyranthes

Zephyr Flower, Fairy Lilies

Showy goblet-shaped blooms during the summer months. Easy to grow in the border or in pots.

Ajax. Large clear yellow flowers.

Alba. Pure white. 10c each; 75c per doz.

Rosea. Large; rose-colored.

All Zephyranthes, except as noted, 15c each; \$1.50 per doz.

All About Flowering Bulbs

By T. A. Weston

Practical and authoritative information on the culture and flowering of all the common and some uncommon bulbs used outdoors and indoors. 186 pages, 8 full-page color plates and 65 full-page half-tones. Cloth \$2.00, postpaid \$2.15.



Montbretias

NURSERY DEPARTMENT

Hardy Evergreen Flowering Shrubs

Azalea Hinodegiri. Dense clusters of bright fiery red flowers. 12 in., \$1.00 each; 12 to 15 in., \$1.75.

Daphne. Rosy pink flowers in April, May. 7 to 9 in., \$1.25; 9 to 12 in., \$2.00; 12 to 15 in., \$3.00.

Pyracantha. Firethorn. White flowers in late spring, followed by brilliant orange-scarlet berries, lasting into the winter. 6 ft. 2 to 3 ft., \$3.00 each.

Pachysandra. An evergreen trailing plant with glossy foliage, forming a dense mat. One of the finest ground-covers. Strong plants, \$2.00 per doz., postpaid \$2.20.

Periwinkle. Trailing Myrtle. An excellent dwarf evergreen trailing plant. Used for covering the ground under shrubs or on graves. Will grow in dense shade. 15c each; \$1.50 per doz.

Rhododendrons. In different varieties and sizes. Prices on application.

Hardy Deciduous Flowering Shrubs

Althea. Rose-of-Sharon. Double; red, purple, white, and white with red center. 2 to 3 ft., 50c each.

Bridal Wreath (Spirea). 2 to 3 ft., 50c each.

Butterfly-Bush (Buddleia). 2 to 3 ft., 50c each.

Christmas Berry (Photinia villosa). Beautiful white flowers in June with brilliant red berries which hang on until after Christmas. 12 to 15 ft. 2 to 3 ft., 75c each.

Coral-Berry (Symporicarpos vulgaris). Slender, arching shrub bearing bunches of bright coral-pink berries which hang on almost all winter. 5 ft. 2 to 3 ft., 35c each.

Crepe Myrtle, in Pink, Red, Blue, or Lavender. Should be planted in spring only, otherwise it will winterkill. 2 to 3 ft. \$1.00 each.

Golden Bell (Forsythia), Fortune's. 3 to 4 ft., 50c each.

Hydrangea paniculata. 2 to 3 ft., 50c each.

H., Blue or Pink. Hardy plants. \$1.50 each.

Jetbead (Rhodotypos kerrioides). Pretty white flowers in May and June. Attractive foliage. Shining black berries during winter. 4 to 5 ft. 2 to 3 ft., 35c each.

Lilac, Common. 2 to 3 ft., 50c each.

L., French. 2 to 3 ft., 75c each.

Pearl-Bush (Exochorda grandiflora). Handsome clusters of white flowers in May. Bushy habit. 8 to 10 ft. 2 to 3 ft., 35c each.

Snowball, Common (Viburnum Opulus). 2 to 3 ft., 75c each.

Snowball, Japanese (Viburnum japonicum). 2 to 3 ft., 75c each.

Snowberry (Symphoricarpos racemosus). Tiny pink flowers in June followed in the autumn with a profusion of snow-white berries. 4 to 5 ft. 2 to 3 ft., 35c each.

Sweet-scented Shrub (Calycanthus). 2 to 3 ft., 60c each.

Weigela. One of the most conspicuous shrubs cultivated. Flowers either red or pink. 2 to 3 ft., 50c each.

Morrow Honeysuckle (Lonicera Morrowi). Tiny, deliciously scented waxen flowers in early spring before leaves unfold. Profusion of bright red berries in early autumn. 6 to 8 ft. 3 to 4 ft., 75c each.

Flowering Trees

Dogwood, White. 3 to 4 ft., \$1.50 each.

Dogwood, Red. 2 to 3 ft., \$2.00 each.

Peach, Double-flowering Pink. 4 to 5 ft., \$1.25 each.

Almond, Double Pink. 2 to 3 ft., \$1.00 each.

Other Flowering Trees on application

Shade Trees

Catalpa Bungei. Umbrella Tree. 5 to 6-ft. stem, 2-yr. head, heavy, \$1.25 each.

Elm, American. 10 to 12 ft., 1 1/4 to 2-in. caliper, \$1.50 each.

Maple, Norway. 8 to 10 ft., 1 to 1 1/4-in. caliper, \$2.50 each.

M., Red. 8 to 10 ft., 1 to 1 1/4-in. caliper, \$2.50 each.

M., Silver. 8 to 10 ft., 1 to 1 1/2-in. caliper, \$2.00 each.

M., Sugar. 8 to 10 ft., 1 to 1 1/4-in. caliper, \$2.50 each.

Plane, Oriental. 8 to 10 ft., 1 to 1 1/4-in. caliper, \$2.50 each.

Poplar, Carolina. 10 to 12 ft., 1 1/4 to 1 1/2-in. caliper, \$1.50 each.

P., Chinese. 8 to 10 ft., \$1.50 each.

P., Lombardy. 8 to 10 ft., \$1.00 each.

P., Tulip. 8 to 10 ft., \$2.75 each.

Willow, Weeping. 6 to 8 ft., \$1.75 each.

Many other kinds; prices on application

Hedges

Red Barberry. 10 to 12 in., 30c each; \$3.00 per doz. 1 1/2 to 2 ft., 40c each; \$4.00 per doz. 2 1/2 to 3 ft., 50c each; \$5.00 per doz.

Japan Barberry. 15 to 18 in., 20c each; \$2.00 per doz. 1 1/2 to 2 ft., 25c each; \$2.50 per doz.

California Privet. 1 to 1 1/2 ft., 2-yr., 3 branches and up, 50c for 10. 1 1/2 to 2 ft., 3-yr., 4 branches and up, 75c for 10.

Vines

Boston Ivy. Clings to smoothest surfaces. Strong plants, 2 to 3 ft., 50c each, postpaid 65c.

Clematis Jackmani. Popular. Rich purple. 75c each, postpaid 85c.

C. paniculata. Creamy white; very fragrant, 2-yr., 50c, postpaid 65c.

Kudzu Vine. A vine often making a growth of 50 to 75 feet in one season. Fragrant purple flowers. For covering porches, etc. Strong plants, 60c each, postpaid 75c.

Wisteria. Vigorous, strong-growing vine. Rich violet-blue flowers; deliciously sweet. 2-yr., 75c each, postpaid 90c.



★ Plus Pantothenic Acid, Vitamin B₆, Vitamin B₂(G), and Nicotinic Acid. All the known Vitamin B-complex factors!

\$1.00 pkg. makes 2000 gals.

25c pkg. makes 200 gals.

10c pkg. makes 50 gals.

Vitamin B-1 in Powdered (Crystalline) Form:

\$1.00 size makes 2000 gals.

50c size makes 400 gals.

500 mgm. (makes 10,000 gals.) \$3.85.

1000 mgm. (makes 20,000 gals.) \$6.25.

Easy to apply Vitamin B₁ to lawns and flower-beds. Combination, consisting of hose attachment and plus pellets to make 2000 gallons of solution, \$1.89.

Indol B 1. Indol acetic acid with Vitamin B₁ for rapid rooting of cuttings. Will treat from 2000 to 5000 plants. \$1.00 each. All the above postpaid

FLORALIFE Helps Cut-Flowers Live Longer

Use in vases of flowers, centerpieces, floral arrangements, and with gift flowers. Pkt. 10c, postpaid 12c; bulk size (makes 50 qts. solution) \$2.50.

Water-Lilies

The hardy Water-Lilies are suitable for either artificial pools or natural ponds. Good soil must be provided and only moderately deep water over the soil—8 to 12 inches is ideal. Strong roots are available after May 1. We offer the following dependable garden varieties:

Chromatella. An old standard variety producing flowers of clear rich yellow of good size. A very free grower. \$1.00 each.

Comanche. A strong-growing variety producing lovely flowers of a rich apricot color, changing to deep, coppery bronze and red as the flower ages. \$2.00 each.

Gloriosa. Undoubtedly the most satisfactory red-flowering hardy Water-Lily. Flowers of good size produced very freely; sweet smelling. \$2.00 each.

Marliac Flesh. A lovely soft flesh-pink in color; fragrant. Freely produced throughout the season. \$1.00 each.

Marliac White. A vigorous variety producing flowers of good size of sparkling whiteness. Very desirable. \$1.00 each.

Pink Opal. Moderate-growing variety of deep, rich pink in color. Suitable for restricted areas. 75c each.

Sunrise. A glorious yellow of recent introduction. Flowers of largest size and very free blooming. \$2.00 each.

Unnamed Hardy Varieties. Very good sorts. White, Pink, Red, and Cream. 50c each, postpaid 60c.

Prices on Water-Lilies are postpaid except where noted

We can also supply TROPICAL WATER-LILIES, varieties and prices on request

Star Climbing Roses

Climbing Talisman. Repeat bloomer. Multicolored. \$1.00 each.

Climbing American Beauty. Very early. Large, sweet-scented light crimson flowers decorate the plant from base to top. 85c each.

NEW DAWN. Plant Patent No. 1. It is identical in every way with its parent, Dr. W. Van Fleet, but blooms continuously throughout the summer and autumn months. Strong 2-yr. plants, \$1.50 each.

BLAZE. Plant Patent No. 10. The blazing color of Paul's Scarlet Climber and the everblooming habit of Gruss an Teplitz on a vigorous climbing plant. Strong 2-yr. plants, \$1.00 each; 3 for \$2.50.

Dr. W. Van Fleet. One of the most important climbing Roses, having perfectly formed, very solid, long-pointed flesh-pink buds. The flesh-pink flowers are very large, borne on long stems, fragrant, and fine for cutting. 75c each.

Paul's Scarlet Climber. No other Rose in any class can compare with it for brilliancy of color, which is a vivid scarlet that is maintained without burning or bleaching until the petals fall. 75c each.

Spanish Beauty (Mme. G. Staechelin). Early; pearl-pink on long stems; fragrant. 85c each.

Many Other Varieties Can Be Furnished

THE BOOK OF SHRUBS

By Alfred C. Hottes

A complete, non-technical description of the common Shrubs, showing how one differs from the other. Discusses under each species its characters, uses, soil, pruning and propagation. A table of varieties gives the height in feet, exposure to plant, soil, color of flowers, season of bloom, color of fruit, and notes on each species. 446 pages, 184 illustrations. Cloth \$3.00, postpaid \$3.15.



MINIATURE ROSES

These new Miniature Roses, which you've used or seen in miniature arrangements, have many outdoor uses. Grow them yourself for edging, in rockeries, for miniature bouquets. Also for perennial borders, around pools, and for your shows.

★**BABY GOLD STAR.** Plant Patent 407. Golden yellow streamlined buds and blooms. \$1.00 each; 3 for \$2.50.

★**PIXIE.** Plant Patent 408. The world's tiniest double white Rose. It shows pink shadings in cool weather. \$1.00 each; 3 for \$2.50.

★**TOM THUMB.** Plant Patent 169. Pointed crimson buds open to single crimson blooms with a white center. 75c. each; 2 for \$1.25.

3 MINIATURE ROSES \$2.35
1 each above

★"Star" in your garden with Star Roses

Direct from the CONARD-PYLE CO., West Grove, Pa.

2-Year Field Plants

Dormant, with delivery prepaid till April 10, then potted. Out-of-town delivery not prepaid.

QUANTITY PRICES If you order 12 in all

\$0.75 kinds	.70	Each	(Does not
\$0.85 kinds	.75	include	Patented
\$1.00 kinds	.90	Roses)	

How to Grow Roses

By J. Horace McFarland
and Robert Pyle
18th edition; enlarged and entirely rewritten; profusely illustrated in color. 192 pages \$1.00, postpaid \$1.10.

FLORIBUNDAS

Here's a new group. "Floribunda" means "abundance of flowers." Actually, these Roses bloom and bloom, and the flowers of many are as large and shapely as Hybrid Teas. Their colors are fascinating. They are just right for hedges, borders, among shrubs or wherever a colorful display is needed!

Betty Prior. Dogwood-pink. Plant Patent 340. 85c each; 3 for \$2.15.

Donald Prior. Scarlet. Plant Patent 377. 85c each; 3 for \$2.15.

Permanent Wave. Deep rose. Plant Patent 107. 75c each; 3 for \$1.90.

World's Fair. Dark crimson. Plant Patent 362. \$1.00 each; 3 for \$2.50.

4 Floribundas \$2.90
1 each above

NEW HYBRID TEAS

Angels Mateu. Orange-rose. Plant Patent 174. \$1.00 each; 3 for \$2.50.

Crimson Glory. Rich crimson. Plant Patent 105. \$1.25 each; 3 for \$3.15.

Golden State. Golden yellow. Plant Patent 303. \$1.00; 3 for \$2.50.

Good News. Silvery pink. Plant Patent 426. \$1.50 each; 3 for \$3.75.

Mme. Cochet-Cochet. Coppery pink. Plant Patent 129. \$1.00 each; 3 for \$2.50.

Mme. Henri Guillot. Watermelon-pink. Plant Patent 337. \$1.25 each; 3 for \$3.15.

Ramon Bach. Apricot-buff. Plant Patent 366. \$1 each; 3 for \$2.50.

7 Novelty Roses \$6.75
1 each above

NOTABLE HYBRID TEAS

Betty Uprichard. Salmon. 75c. each.

Charles K. Douglas. Scarlet. 75c each.

Golden Dawn. Yellow. \$1.00 each.

K. A. Victoria. White. 75c each.

Lady Ashtown. Pink. 75c each.

Miss Rowena Thom. Pink. 85c. each.

Mme. Butterfly. Salmon. 75c. each.

Mrs. E. P. Thom. Yellow. 85c each.

National Flower Guild. Crimson. \$1.00 each.

Radiance. Pink. 75c each.

Red Radiance. Cerise-red. 75c each.

Talisman. Multicolored. 75c each.

12 NOTABLE HYBRID TEAS \$6.45
1 each above

HARDY GARDEN CHRYSANTHEMUMS

Listed below is our collection of some pretty fine Chrysanthemums selected from the hundreds of varieties now in commerce. There are the lovely new Korean Hybrids and the low, mound-like Cushion Chrysanthemums which bloom so early, as well as a few outstanding garden newcomers. You will like them.

NOVELTY CHRYSANTHEMUMS

Clara Curtis. New. Salmon-pink; daisy-like. Blooms with the profusion of Cushion Mums in August and September. Scarce. 35c each; 3 for 95c.

Pink Spoon. New. Large quilled type in soft pink. Unusual and artistic. The perfect flower for arrangements. Stock limited. 35c each; 3 for 90c.

NEW DOUBLE KOREAN HYBRIDS
Caliph. Ox-blood-red with velvety sheen. Wonderful growing habit, very free flowering. 25c each; 60c for 3.

Symphony. Mauve-rose, overcast soft coppery rose. Three-inch flowers on sturdy stems. 35c each; \$1.00 for 3.

King Midas. The peer of all the yellows! Has all the good traits—earliness, extreme freedom, and hardiness. 25c each; 60c for 3.

Ember. Coral-orange and bronze shades, more luminous than usual. Unsurpassed for arrangements. 25c each; 60c for 3.

Sequoia. Amber-beige. Good size and fully double. Very unusual and a real attraction. 25c each; 60c for 3.

NEW SINGLE KOREAN HYBRIDS
Apollo. Bronze-red and gold. Very showy. 20c each; 50c for 3.

Daphne. Daphne-pink, with sheen of lilac-rose. 20c each; 50c for 3.

Hebe. Silvery pink; fragrant. Very free. The best of the true pinks. Highly recommended. 20c each; 50c for 3.

Louise Schling. Glowing salmon-red. 20c each; 50c for 3.

Psyche. Large; shell-pink. Very early. Lovely. 20c each; 50c for 3.

Mars. Deep crimson-red. Holds color well. Early. 20c each; 50c for 3.

CUSHION CHRYSANTHEMUMS

The new Cushion Chrysanthemums with low mound-like plants bloom very early.

Pink Cushion. The original everblooming Cushion Mum. 20c each; 50c for 3.

White Cushion. New. The long-awaited introduction! Does not change color with age. Stock limited. 20c each; 50c for 3.

Bronze Cushion. New. Bronze form of preceding. 20c each; 50c for 3.



Chrysanthemum, Pink Cushion

Red Cushion. New. Flowers slightly smaller and a bit later in blooming. Stock limited. 30c each; 75c for 3.

Yellow Cushion. New. Simply wonderful! So new we were not going to list it this year. Order early; very scarce. 20c each; 50c for 3.

OUTSTANDING GARDEN VARIETIES

Crimson Splendor. Rich crimson-maroon with golden center; fully 4 inches across.

Orange Wonder. Glamorous coppery orange; single.

Stellaris. Extremely large; single; yellow. Early.

Thalia. Duplex flowers of apricot-orange.

Jemima. Dark red Pom; tipped gold. Frost-resistant.

Vera Victoria. Large yellow Pompon. Perfect in growth and beauty. 20c each; 50c for 3.

Above 6 Chrysanthemums, 20c each; \$2 doz.

Early Bronze. Extremely early. Lively bronze-yellow Pompon. Late August. Indispensable.

Judith Anderson. Get this if you're looking for an edging or border plant that will also supply wonderful cut-flowers! Golden yellow Button type, blooms covering plant from ground up.

Sea Gull. Large white Pom. Grand cut-flower.

Above 3 Chrysanthemums, 15c each; \$1.50 per doz.

Good Perennials Are a Permanent Investment

Perennial Plants for Border and Bed

Aster. Lavender, Pink, White. August to October. 4 to 5 ft.
Babys-Breath (*Gypsophila*). White. June, July. 2 ft.
Beard-Tongue (*Pentstemon*). Pink, Blue, Red. Summer. 2 to 3 ft. 30c each; \$3.00 per doz.
Bergamot. Many pretty shades. July. 2 to 3 ft.
Bleeding-Heart. Pink. May, June. 1½ ft. 30c each; \$3.00 per doz.
Canterbury Bells. Pink, Blue or White. June. 2 ft.
Carnation. Large scarlet-red flowers. 1 ft.
Columbine (*Agilegia*). Various colors. May, June. 2 ft.
Coral-Bells (*Heuchera*). Red. June to September. 1 to 1½ ft. 30c each; \$3.00 per doz.
Coreopsis. Yellow. July, August. 2½ ft.
Daisy, Transvaal (*Gerbera*). A fine mixture. Very beautiful. 1 ft. 35c each; \$3.00 per doz.
Day-Lily (*Hemerocallis*). Yellow. May. 2 to 3 ft. 35c each; \$3.50 per doz.
Delphinium, Belladonna, Bellamomum and English Hybrids. June to October. 3 to 4 ft.
Flax (*Linum*). Light blue. May to August. 1½ ft.
Foxglove (*Digitalis*). Yellow, White, Pink, Purple. June, July. 2 to 3 ft.
Gaillardia. Yellow and Red. May to October. 1½ ft.
Gayfeather (*Liatris*). Purple. Summer. 4 to 5 ft.
Geum. Red and Yellow. June to September. 1½ ft.
Hibiscus. Pink, White, Red. Late summer. 4 ft.
Hollyhock. Double. Maroon, Pink, White, Yellow, Red. July, August. 5 to 6 ft.
Iris, German. Various colors. May, June. 2 to 3½ ft.
I., Japanese. Various colors. July. 2 ft.
Lupins. Pink, Blue, White. 3 ft.
Marguerite (*Anthemis*). Bright yellow. All summer. 2 ft.
Peony. Pink, White, Red. May to June. 2 to 3 ft. 30c each; \$3.00 per doz.
Perennial Pea (*Latyrus*). White, Crimson-Pink. June to September. 4 to 8 ft.
Phlox. Various colors. July, August. 2 to 3 ft.
Pinks (*Dianthus*). Double and Single. Pink, White, Red. All season. 1 ft.
Poppy, Oriental. Red, Pink. May, June. 3 ft.
Pyrethrum, Mixed. 2½ ft.
Rudbeckia Newmanni. Black-eyed Susan. All summer. 3 ft.
Sage (*Salvia*). Light or dark blue. September, October. 3 to 4 ft.
Scabiosa caucasica. 2 ft. 30c each; \$2.50 per doz.
Shasta Daisy. Large; white. June, July. 2 ft.
Stokesia. White, Blue. July, August. 1½ ft.
Sweet William. Various colors. June. 2 ft.
Tritoma. Orange-red. August. 2 to 3 ft.
Veronica. Blue. June, July. 1½ ft. 30c each; \$3.00 per doz.
Yucca. Large white spikes.

Many other varieties can be furnished

ALL PERENNIAL PLANTS

25c each; 65c for 3; \$2.50 per doz., except where noted

Prices on quantities furnished on application

Landscaping the Small Home

By Edward W. Olver

Written especially for the owner of a small home and giving him full information as to beautifying his own place—both garden and land. 160 pages, 90 illustrations. Cloth \$1.00, postpaid \$1.15.

Perennial Rock-Garden Plants

Alyssum. Yellow. April, May. 1 ft.
Anemone. Various colors. April, also autumn-flowering. 1 ft.
Bugle-Flower (*Ajuga*). Blue or purple. May, June. 6 in.
Campanula carpatica. Carpathian Bell-flower. Blue or White. June to October. 8 in.
Candytuft (*Iberis*). White. May, June. 8 to 12 in.
Cowslip (*Primula veris*). Various colors. April, May. 6 to 8 in. 30c each; \$3.00 per doz.
Daphne Cneorum. Pink. April, May. 1 to 2 ft. 8 to 10-in. plants, 75c each.
Dianthus alpinus. Pink. May, June. 4 in. 40c each; \$4.00 per doz.
D. deltoides albus. White. June, July. 1 ft.
Forget-Me-Not (*Myosotis*). Blue. May to October. 6 in.
Globe-Flower (*Trollius*). Various shades of orange and yellow. May to July. 1½ to 2 ft. 35c each; \$3.50 per doz.
Iris. Various colors. April to May. 4 to 6 in.
Lily-of-the-Valley (*Convallaria*). White. April. 8 in.
Phlox divaricata. Blue. May, June. 1 ft.
P. subulata. Moss Pink. White, Lilac, Pink, Blue. April, May. 4 in.
Rock-Cress (*Arabis*). White. April, May. 8 in.
St. John's-Wort (*Hypericum*). Golden yellow. Late summer. 1½ to 2 ft. 40c each; \$4.00 per doz.
Sedum. Yellow, Pink, White. May to August. 2 to 3 in.
Snow-in-Summer (*Cerastium tomentosum*). White. May, June. 6 in.
Sweet Lavender. July to September. 18 to 20 in.
Thrift (*Armeria*). Various colors. May, June. 1 to 1½ ft.
Veronica. Blue. July, August. 1 ft.
Viola. Tufted Pansy. Blue, White, Yellow. All summer. 5 in.
Yarrow (*Achillea*). Yellow. June to August. 8 to 10 in.

Strawberries

EXTRA-EARLY VARIETIES:

Fairfax and **Dorsett.** The best in cultivation. Perfect blossoms, very productive and showy, of finest flavor and firmness.

Blackmore. Perfect flowering.

Premier.

SECOND-EARLY VARIETIES:

Aberdeen. Perfect flowering.

Dr. Burrell.

MEDIUM-LATE VARIETIES:

Eaton **Gibson** **Big Joe**
William Belt **Chesapeake**
Lupton **Gandy**

Any of the above, \$1.50 per 100, postpaid \$1.75; \$6.50 per 1000 at our store or Express collect at customer's station

EVERBEARING VARIETIES:

Champion **Lucky Strike**

\$1.75 per 100, postpaid \$2.00; \$12.00 per 1000 at our store or Express collect at customer's station

Grapes

Catawba (red), **Concord** (blue), **Niagara** (white). Strong, 2-yr. 25c each, postpaid 35c; doz. \$2.50, postpaid \$2.75.

Caco. The best red. 50c each, postpaid 60c; \$5.00 per doz., postpaid \$5.25.

GRAPE-PROTECTING BAGS. See page 43.

Nursery Stock in Quantity

Prices furnished on application

LANDSCAPING, ETC.

Estimates cheerfully given

Fruit Trees and Small Fruits

Not Mailable

For best results, Fruit Trees should be sprayed 3 or 4 times a season

APPLES

Delicious. Red. Late.

Duchess of Oldenburg. Late, summer; large red.

Grimes Golden. Autumn.

Maiden's Blush. Medium. Yellow.

Smokehouse. Autumn. Yellow, studded red. Fine.

Stayman's Winesap. Red. Late.

Winter Paradise. Green; sweet.

Winesap. Late. Red; sweet.

Yellow Transparent. Early.

York Imperial. Late. Large; red to yellow.

Crab, Hyslop. Crimson.

Any of the above, extra-strong, 4 to 5-ft. trees, \$1.00 each; \$10.00 per doz.

PEARS

Kieffer. Large; juicy. Late.

Bartlett. Early. Juicy.

Seckel. Small. Oct.

Any of the above, \$1.00 each; \$10.00 per doz.

PEACHES

Belle of Georgia. White. August.

Brackett Champion.

Early Crawford. Yellow.

Elberta. Yellow. September 1.

Hale. Yellow. Late August.

Hiley. White. Early.

Late Crawford. Yellow.

Any of the above, strong, 5 to 6-ft. trees, 50c each; \$4.50 per doz.

QUINCES

5 to 6 ft., \$1.00 each

PLUMS

Abundance. Red. **Burbank.** Red; round.

Wickson. Maroon. **German Prune.** Blue.

Any of the above, 75c each; \$7.50 per doz.

CHERRIES

Bing. Black; sweet.

Black Tartarian. Sweet.

Gov. Wood. Red; sweet.

Yellow Spanish. Sweet.

Richmond. Dark red; sour.

Montmorency. Red; sour.

Any of the above, \$1.00 each; \$10.00 per doz.

Local delivery and Express only—no Freight shipments. Delivery latter part of March and April, and Oct.-Nov.

Blueberries

Both ornamental and useful, making attractive shrubs; large delicious berries. 12 to 15 in., 60c each; 24-in., 80c each.

Blackberries

Snyder and **Eldorado.** \$1.00 per doz., postpaid \$1.25.

Raspberries

Cumberland. Black. **Latham.** Red. **St. Regis.** Everbearing Crimson.

\$1.00 per doz., postpaid \$1.25

Currants

Red Cross. Red and sweet.

Fay's Prolific. Red. Productive.

25c each, postpaid 35c; doz. \$2.50, postpaid \$2.75

Boysenberry

No. 1 strong rooted plants. Immense berries of very sweet, delicious flavor, somewhat suggestive of the raspberry. Small seeds. Plant 8 x 8 feet apart because of their great thriftiness. 1-yr., \$1.00 for 6, postpaid \$1.25; \$1.75 per doz., postpaid \$2.00.

Nuts

English Walnut. 4 to 5 ft., \$2.50.

Black Walnut. 4 to 5 ft., \$2.50.

WE PAY POSTAGE ON ALL
SEEDS ON THIS PAGE

Vegetable Seeds

ALL PRICES ARE SUBJECT TO
CHANGE WITHOUT NOTICE

Planting Calendar

MARCH

The only vegetables to be planted outdoors in March are all early peas and onion sets. There are a number of vegetables, however, which may be started indoors or in hotbeds.

Plant Indoors Set Out

Artichoke, Globe	June	1
Cabbage, Early	April	1
Cauliflower, Early	May	1
Celery	June	1
Eggplant	May	15
Kohlrabi	April	15
Lettuce	April	15
Parsley	May	1
Pepper	May	15
Tomato	May	1

Plant Outdoors

Peas, Early Smooth
Onion Sets

APRIL

All the seeds mentioned in the March table can be started in April, and also the following:

Plant Indoors Set Out

Beets	May
Brussels Sprouts	June
Cabbage, Late	June

Plant Indoors

Asparagus	Parsley
Roots	Parsnip
Beets	Peas, Early
Carrots	Wrinkled
Cress	Potatoes
Kohlrabi	Radish
Lettuce	Rhubarb Roots
Mustard	Swiss Chard
Onion Seed	Squash
Onion Sets	Turnip

Set out Lettuce started indoors in March.

Practical Vegetable Culture. By Albert E. Wilkinson

In its 308 pages all phases of vegetable culture are covered from sowing the seed to reaping the harvest. 135 illus. \$2.00, ppd. \$2.15.

Broccoli

Sow 1 ounce of seed
to 200 feet of row

A plant much resembling cauliflower but requires a longer season to develop, has more numerous and stiffer leaves, and heads are smaller. Treat same as cabbage.

Calabrese. This is the Broccoli which is served in first-class restaurants and hotels and is becoming popular on the family table. Cooked and served like cauliflower, it has a delicious flavor and is highly praised by epicures. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; lb. \$2.75.

CULTURE. Sow seed in open ground April 1. Set plants out May 15 to June, like late cabbage. 90 days.

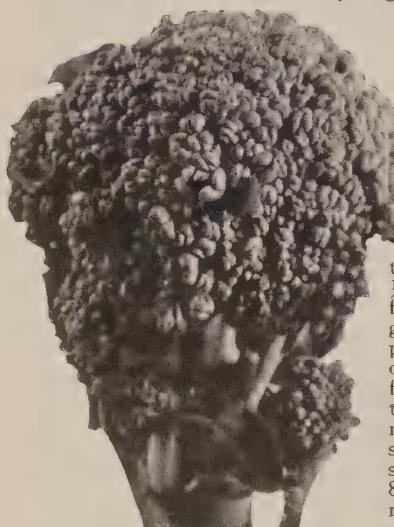
CALABRESE PLANTS.

See page 37.

Rapa or Italian Salad.

100 days. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 35c; lb. \$1.25.

CULTURE. Sow about middle of August, in rows 32 inches apart, well fertilized, using 2 pounds of seed to the acre, covering the seed $\frac{1}{2}$ inch. Cultivate twice before freezing weather. As soon as it gets a little warm in February, put on a top-dressing of nitrate of soda or some quick-acting fertilizer, and cultivate. About the middle of March it will commence to stalk up, with several shoots per stalk, with green blossoms. When stalks are about 8 inches high, cutting may commence. Served like asparagus or greens, it makes a delicious and wholesome dish.



Calabrese Broccoli

MAY

Plant Outdoors

Asparagus	Muskmelon
Seed	Watermelon
Beans, Bush	Okra
Beans, Pole	Peas, Late
Corn, Sugar	Pumpkin
Cucumber	Squash

All the seeds mentioned in the April table may also be sown in May.

Set out early Cabbage, early Cauliflower and Tomato plants started indoors in March and April.

JUNE

Plant Outdoors

Beans, Late Bush
Beans, Late Pole
Set out Globe Artichokes, Brussels Sprouts, late Cabbage, Cauliflower, Celery, Eggplants and Peppers which have been started indoors.
Plant Swiss Chard, Sugar Corn, Lettuce, Late Peas, Radishes, Beets, and Turnips for late crops.

JULY and AUGUST

Plant Outdoors

Stringless Green-Pod Beans
Stringless Wax-Pod Beans
Rutabaga
Winter Radishes
Spinach
Turnip

SEPTEMBER and OCTOBER

Plant Outdoors

Corn Salad	Spinach
Multiplying Onion	Kale

Plant Under Glass

Lettuce	Parsley
Early Radishes	

Practical Vegetable Culture. By Albert E. Wilkinson

In its 308 pages all phases of vegetable culture are covered from sowing the seed to reaping the harvest. 135 illus. \$2.00, ppd. \$2.15.

Artichokes

CULTURE. Sow seed in hotbed in February or March, in rows 6 inches apart. Transplant, when large enough, into boxes or pots. After danger of frosts is past, plant in the open ground, in rows 3 feet apart, 2 to 3 feet apart in row, care being taken to press firmly in the ground, but do not plant too deep.

Large Green Globe. A very delicious vegetable. Some prefer it prepared like asparagus—that is, cook the flower-head before it begins to open. Supply doubtful.

ARTICHOKE ROOTS, Jerusalem. See page 37.

Asparagus, Seeds and Roots

Roots ready after March 1

Sow 1 ounce of seed to 40 feet of drill; 5 pounds per acre. 7,300 Asparagus Plants are needed to plant an acre

CULTURE. Sow seed as early in spring as soil can be worked, in drills 1 foot apart, and, when well started, thin out to 3 inches apart. When 1 to 2 years old, transplant into permanent beds, which should be well and deeply manured and trenched to a depth of $\frac{1}{2}$ feet. Set plants in rows 3 feet apart, not less than $\frac{1}{2}$ feet apart in the row. See that roots are well spread and set at a depth of 6 inches below level of bed. Cover only 2 or 3 inches, and fill in gradually as the plants grow. Very little, if any, should be cut the first year after transplanting, but a fair crop can be cut the second year. Every fall after the tops have been cut down, apply a dressing of coarse manure, and in the spring, fork it in. An occasional top-dressing of salt at the rate of one-half pound per square yard is also beneficial.

Mary Washington. This Asparagus, selected by the U. S. Department of Agriculture, Washington, D. C., has proved to be nearly rust-free. The shoots are thick, heavy, long, straight, rich dark green, with closely folded tips tinted darker. An early, heavy yielder. Shoots of exceptionally fine flavor. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c; lb. 75c.

ASPARAGUS ROOTS, Two-Year-Old. See page 37.

Accessories for Asparagus Culture

Asparagus Buncher. Even where one has a limited amount of Asparagus to market it pays to use a Buncher. The Asparagus is quickly tied and looks uniform. With knife-guard, \$3.50. Parcel Post weight, 8 pounds.

Asparagus Knife. V-shaped blade. 35c. Parcel Post weight, 1 pound.

Asparagus Salt. Apply in the spring, 600 to 800 pounds per acre. For destroying weeds. 10 lbs. 25c; 50 lbs. \$1.00; 100 lbs. \$1.50; 200 lbs. \$2.50.

Raffia. The ideal material for tying Asparagus. Hanks (about 1 lb.) 50c; 5 lbs. at 45c per lb.

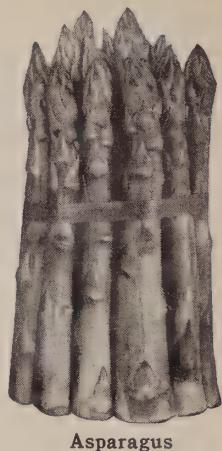
Jute Twine. Very soft and pliable. Ball 25c, postpaid 30c. Special price in quantities on application.

Red Tape for tying Asparagus.

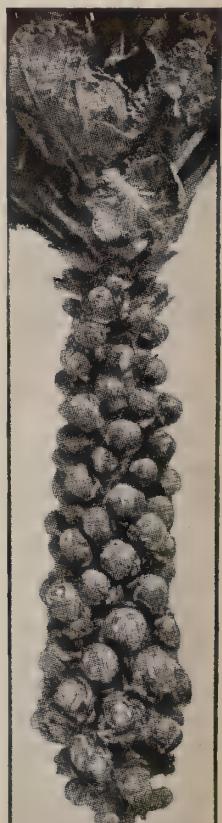
No. 17-677. 1000 yds. \$1.50, postpaid \$1.60.

No. 17. The best. 1000 yds. \$2.25, postpaid \$2.35.

Prices subject to change



Asparagus



Brussels Sprouts

Brussels Sprouts

A species of the Cabbage family which produces miniature heads from the sides of the stalk. These heads are a great delicacy, cooked in the same way as cauliflower. Sow seed, about the middle of May, in a seedbed, and set the plants afterwards in rows 2 feet or more apart; cultivate like cabbage. 100 days.

Improved Dwarf. Produces compact sprouts of finest quality. A good keeper. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 60c; lb. \$2.00.

BRUSSELS SPROUTS PLANTS. See page 37.

GARDEN GUIDE. A veritable encyclopedia of gardening for the average-sized home. Covers flowers, fruits, vegetables, lawns, trees, shrubs, roses; fertilizers, pruning, propagation, transplanting, diseases, insects, etc. 576 pages, over 300 illustrations. Cloth \$2.00, postpaid \$2.15.

"Be prepared with a Defense Garden"

BEANS

If Beans are to be sent by Parcel Post, add 8c per pt.; 10c per qt.; 16c per 1/2pk.; 25c per pk.; 77c per bus. Packets sent postpaid.

Bush, Green-podded

Sow 1 quart of seed to 100 feet of drill; 2 bushels to an acre

CULTURE. Seed should not be planted before ground becomes light and warm, in favorable seasons usually about the middle of April to first of May. The soil should be rich and mellow, and the seeds scattered about 3 inches apart in drills, and covered about 2 inches deep. Successive sowings made at intervals of about 2 weeks until August 15, will give a plentiful supply of Beans all season. About 45 days.

Asgrow Valentine. This new introduction is typically Black Valentine. It has all the sturdy characteristics which popularized Black Valentine as a producer and shipper. Its long, practically straight, oval pods are of good color and texture and are completely stringless.

Black Valentine. Like the above, but the pods are round.

Bountiful. This variety has been known to bear 1 bushel of pods per 15-foot row in the course of the season. Pods average 6 inches long by $\frac{3}{4}$ inch wide, are thick through, of pleasing light green color, very brittle, and absolutely stringless at all stages of development. Bountiful tastes as good as it looks.

Burpee's Stringless Green-Pod. An ideal variety having round, slightly curved, fleshy, and exceedingly tender pods. Matures a few days earlier than the Giant sort.

Dwarf Horticultural or Cherry. This broad, long, flat, meaty Bean is very productive, of delicious flavor and absolutely stringless. It also makes a good dried Bean for winter.

Early Red Valentine. One of the most popular early Snap Beans. Round, fleshy pods about 5 inches in length, very brittle, tender, and of fine quality.

Full Measure. Heavy, light green foliage. Very prolific. Pods $5\frac{1}{2}$ to 6 inches long, stringless, round, slightly curved, of very good quality.

M.-S. GIANT STRINGLESS GREEN-POD. Large, handsome pods of finest quality, some fully 6 inches long; very fleshy and entirely stringless. Very productive. Specially adapted to the home-garden.

Streamliner. Ready to pick in about 50 days. This tender semi-flat pod Bean, averaging 7 to 8 inches long, bears white seed. The long pods are stringless, brittle and deliciously flavored.

New Stringless Green-Pod or Tendergreen. Fifty-one days from planting to eating stage. Pods are $5\frac{1}{2}$ to $6\frac{1}{2}$ inches long, nearly straight, round, absolutely stringless and fiberless, fleshy, smooth and very attractive.

Shell Beans for Winter Use

60 days

Red Kidney Beans. Bearing 6 to 7 in. long, flat pods, containing 5 to 6 red kidney-shaped Beans. Used almost exclusively for baking and soup.

White Marrowfat. Planted almost exclusively for winter use, making large white, kidney-shaped Beans.

White Navy or Boston Pea Beans. Yields large quantities of white Shell Beans which are used for baking.

Bush, Yellow or Wax-podded

48 days

Bountiful Wax. Handsome, long, flat yellow pods. Profuse bearer.

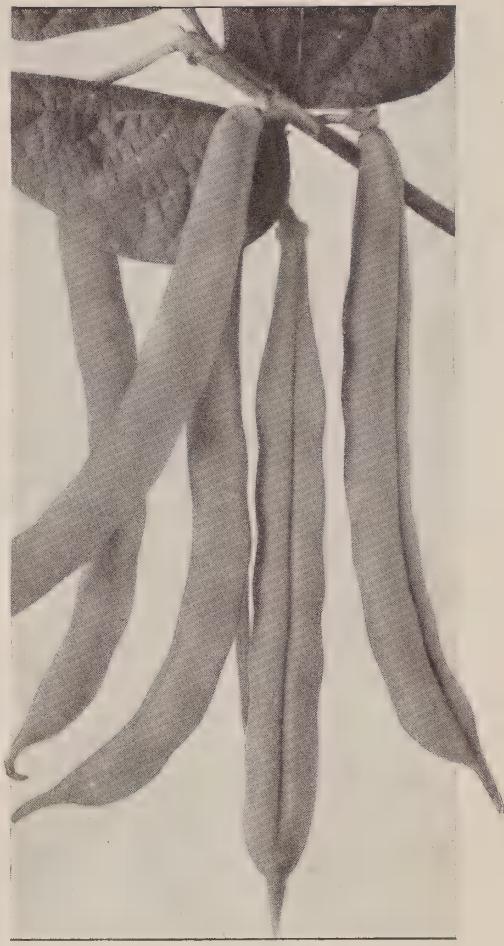
Currie's Rustproof Black Wax. Valuable for general use, being early, hardy, and a heavy yielder. Extra-long, flat pods of fine color and not apt to rust.

Improved Golden Wax. Small plants of erect growth, bearing flat, thick pods about 5 inches in length and of excellent quality. An early and reliable variety; recommended for home use.

M.-S. SURE-CROP STRINGLESS WAX. This is a grand Bean. Absolutely stringless and a great rust-resister. Will produce an abundance of long, yellow, flat pods. A profitable market variety and one of the best for the home-garden.

Round-Pod Kidney Wax. Vines 15 inches high. Pods are 5 inches long, round, slightly curved, stringless and deep yellow.

Webber Wax. Short vines. The 6-inch pods are flat, straight, stringless, deep yellow.



New Stringless Green-pod or Tendergreen

Pole Lima

Sow 1 quart of seed to 100 poles

CULTURE. These require poles 8 to 10 feet long. The Beans should be planted in May if the season is suitable. Set poles 4 feet apart each way, and plant 4 to 6 Beans, about 1 inch deep, around each pole. Thin out to three plants to a pole. Lima Beans for early use may be grown in pots in frames and transplanted. About 90 days.

Carpinteria. Bears an abundance of large pods filled with plump, thin-skinned, tender, fine-flavored Beans.

Dreer's Improved Challenger or Potato Lima. Beans round and thick, of delicious flavor, easy to shell. Immense cropper.

Early Leviathan. The earliest large Pole Lima. Very productive.

King of the Garden. Vigorous grower, bearing large pods, 5 to 8 inches long. Beans large and of rich flavor.

M.-S. GIANT-PODDED. The largest of all Pole Limas. Pods are from 7 to $8\frac{1}{4}$ inches in length with a width of $1\frac{1}{2}$ to nearly 2 inches. The Beans are extra large and invariably of superb flavor. Vines easily attain a height of from 10 to 12 feet. The pods are produced in clusters of from 4 to 8 until killed by frost.

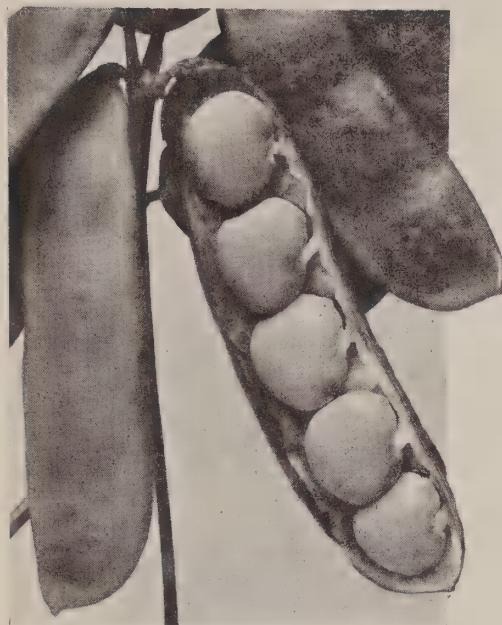
Sieva or Small White Lima. Butter Bean. Early and productive, a great drought resister, smaller than regular Limas, but juicy and of fine flavor.

Vegetables Your Best Food

Our health depends a great deal on what we eat. The average American meal consists of acid-forming food and so refined that the best elements are lost and therefore detrimental. Vegetables are your best food; eat more of them.

	Pkt.	Pt.	Qt.	1/2pk.	Peck
		All bus.	prices on request		
BEANS, BUSH, Green-podded	\$0 10	\$0 25	\$0 40	\$1 50	\$2 50
Burpee's Stringless Green-Pod	10	25	40	1 50	2 50
M.-S. Giant Stringless Green-Pod	10	25	40	1 50	2 50
Bountiful	10	25	40	1 50	2 50
Early Red Valentine	10	25	40	1 50	2 50
Full Measure	10	25	40	1 50	2 50
Asgrow Valentine	10	25	40	1 50	2 50
Black Valentine	10	25	40	1 50	2 50
New Stringless Green-Pod (Tendergreen)	10	25	40	1 50	2 50
Dwarf Horticultural (Cherry)	10	25	40	1 50	2 50
Streamliner		30	50	2 00	3 50
BEANS, SHELL					
White Navy (Boston Pea Bean)	10	20	35	1 25	2 00
White Marrowfat	10	20	35	1 25	2 00
Red Kidney Beans	10	30	50	1 75	3 00
BEANS, BUSH, Yellow or Wax-podded					
M.-S. Sure-Crop Stringless Wax	10	25	40	1 50	2 50
Bountiful Wax	10	25	40	1 50	2 50
Currie's Rustproof Black Wax	10	25	40	1 50	2 50
Improved Golden Wax	10	25	40	1 50	2 50
Webber Wax	10	25	40	1 50	2 50
Round-Pod Kidney Wax	10	25	40	1 50	2 50
BEANS, POLE LIMA					
Carpinteria	10	25	45	1 50	2 75
Early Leviathan	10	25	45	1 50	2 75
King of the Garden	10	25	45	1 50	2 75
Sieva (Small White Lima)	10	25	45	1 50	2 75
M.-S. Giant-podded	10	30	50	1 75	3 00
Dreer's Improved Challenger (Potato Lima)	10	30	50	1 75	3 00

Home-Grown Vegetables Are So Different



Fordhook Bush Lima Beans

Bush Lima Beans

Sow 1 quart of seed to 100 feet of drill

CULTURE. Seed 2 inches apart or plant in rows 2 feet apart and make hills 1 foot apart in the rows. About 75 days.

Burpee's Improved. Bears an abundance of thick, kidney-shaped Beans.

Fordhook. Everybody loves these delicious thick, roundish Beans of just the right shade of green. The sturdy bushes bear the pods in clusters of 4 to 6, the pods averaging 4 large Beans each.

Henderson's Dwarf. Popular Baby Lima. Its flavor is excellent.

M.-S. ENORMOUS. The vigorous plants bear in reckless abundance really enormous pods which are filled with great big, delicious, kidney-shaped Beans. It is surprising to find that these enormous Beans are of the very highest quality.

McCrea's. Matures in about 65 days. Stocky bush; big root system; bears green-seeded, thick potato type Limas. Stands cold and wet, also extreme heat. Very prolific.

BEANS, BUSH LIMA

	Pkt.	Pt.	Qt.	1/2pk.	Pk.
Fordhook	\$0 10	\$0 30	\$0 50	\$1 75	\$3 00
M.-S. Enormous	10	30	50	1 75	3 00
Burpee's Improved	10	25	40	1 50	2 50
Henderson's Dwarf Lima	10	25	40	1 50	2 50
McCrea's	10	35	60	2 00	3 50

BEANS, ENGLISH or BROAD WINDSOR

BEANS, POLE STRING

M.-S. Kentucky Wonder Wax	10	30	50	1 50	2 75
Lazy Wife or White Cherry	10	30	35	1 25	2 00
Kentucky Wonder (Old Homestead)	10	25	40	1 50	2 75
Horticultural (Pole Cherry)	10	20	35	1 25	2 00
Yard-Long (Snake Beans)	Oz. 25c	10			

BEETS, COW (Mangel-Wurzel)

M.-S. Gate Post Mangel	Oz. 15	\$0 25	\$0 75	\$3 25
Mammoth Long Red		15	75	3 25
Golden Tankard		15	75	3 25
M.-S. Jumbo		15	75	3 25

BEETS, TABLE

Detroit Dark Red	\$0 10	\$0 15	\$0 25	\$0 75	\$6 50	\$0 60
M.-S. Perfection Detroit Dark Red	10	15	25	90		
M.-S. Early Marvelous	10	15	25	90		
Early Wonder	10	15	25	75	6 50	60
Extra-Early Flat Egyptian	10	15	25	90		
Crosby's Improved Egyptian	10	15	25	75		
Extra-Early Eclipse	10	15	25	75		
Crimson Globe	10	15	25	90		
Long Smooth Blood	10	15	25	90		

Broad Windsor or Fava Beans

CULTURE. Same as Bush Limas, only plant thinner. A Bean similar to Lima Beans, but a different flavor and larger. Should be planted early (March or April), as they are very hardy.

Pole String Beans

Green- and Wax-podded

CULTURE. Same as Pole Lima. 70 days.

Horticultural or Pole Cherry. Pods green, dashed with red when Beans are matured. Very showy.

Kentucky Wonder or Old Homestead.

It grows luxuriantly and bears for a long period. Pods are very long, very fleshy and deeply creased or saddle backed, green in color and stringless. Seed light brown.

Lazy Wife or White Cherry. Pods 6 to

8 inches long, entirely stringless, of a rich, buttery flavor when cooked as a Snap Bean; also a good white Shell Bean for winter. One of the very finest flavored.

M.-S. KENTUCKY WONDER WAX. Same as Kentucky Wonder with exception of beautiful yellow pods.

Yard-Long or Snake Beans. This is an ornamental as well as useful Pole Bean. Produces an abundance of dark green foliage and stringless green pods, often measuring from 2 to 3 feet long, which when cooked make a delicious dish. Seeds very small.

For Postage Rates, see page 1. Prices on bushel lots on request.

Cow Beets - Mangel-Wurzels

Used for feeding cattle. Sow 5 pounds per acre

CULTURE. Sow in April and May in thoroughly plowed, well-manured soil, in drills 2 inches deep and about 18 inches apart. Thin out to 12 inches. Low ground is best adapted for Mangel-Wurzels. 100 days.

Golden Tankard. Large, yellow, excellent sort.

Mammoth Long Red. Immense; long; red. Very fine quality.

M.-S. GATE POST. The best long yellow Mangel in cultivation. Relished by milch cows and sheep. Matures earlier than other large sorts.

M.-S. JUMBO. This is an enormously productive variety, yielding from 50 to 70 tons to the acre, a single root often weighing 20 to 40 pounds.

"Be Prepared with a Defense Garden"

BEETS, TABLE

Sow 1 ounce of seed to 60 feet of drill; 5 pounds to an acre in drills

CULTURE. Beets like rather light soil provided it is thoroughly mixed with manure. For main crop sow in the spring as soon as ground becomes fit to work, in drills 1 1/2 feet apart and 1 inch deep. For winter use sow as late as July. Thin out to stand 5 to 6 inches apart. Store in cellars or pits, same as potatoes. Dry earth thrown over them before the straw and earth covering is put on insures their keeping over winter. Be careful not to bruise them in handling. 45 to 50 days.

Crimson Globe. A second-early variety, medium in size and of good shape. The flesh and skin are both very dark and quality fine, being sweet and tender. Tops are small and dark in color.

Crosby's Improved Egyptian. Very desirable. Thicker in body than the Egyptian, small necked and dark fleshed. Fine for early market.

Detroit Dark Red. A fine early variety with globe-shaped roots of brilliant red. Ready in 60 days.

Early Wonder. A very early dark red Beet similar to Crosby's Egyptian in shape. It is sweet and tender and a good variety for the home-garden.

Extra-Early Eclipse. Matures in an incredibly short time. Round root. Small top. Excellent table quality. An attractive market variety.

Extra-Early Flat Egyptian. Matures quickly. Bulbs half globular, or flattened at the poles; roots very slim; skin smooth; flesh quite dark. Leaves red and green.

Long Smooth Blood. Roots 10 to 15 inches long; grows partly out of ground, deep red, of good quality and suited for winter storage.

M.-S. EARLY MARVELOUS. This splendid Beet is nearly a perfect globe, about 10 inches around, with smooth skin free from rootlets; the flesh is a rich blood-red, nicely ringed, never stringy and always tender and sweet. Excellent for canning.

M.-S. PERFECTION DETROIT DARK RED. The ideal Beet for market gardeners. It is the darkest red and most uniform Beet ever introduced. Just the right size for bunching and will run better than 99 per cent, extremely dark red in color without visible zones.

WE PAY POSTAGE ON ALL BEET SEEDS



Early Marvelous Beets

Do You Grow Swiss Chard? It's Delicious



Golden Acre Cabbage

Swiss Chard or Spinach Beet

Sow 1 ounce of seed to 60 feet of drill

CULTURE. Swiss Chard is a Beet grown for its leaves. The midribs when boiled make delicious "greens," or the leaves may be boiled and served as spinach. Sown in the spring, the leaves are soon ready to eat and will continue to grow all through the summer and fall. If given a little protection it will survive the winter and make excellent greens early in the spring. 35 days.

Fordhook Giant. Leaves broad, upright in growth, and very dark green, crumpled or savoyed, with broad, white midrib.

Giant Lucullus. Upright plants with curly light green leaves of mild flavor. A heavy yielder.

M.-S. DELMONICO. This makes large, handsome, finely crimped light green leaves which are tender and have a delicious flavor; the ribs are edible and not unlike asparagus. Absolutely the best for home-gardens.

Georgia Collards

CULTURE like cabbage. The lower leaves, pulled off and used same as cabbage sprouts and kale, are delicious. If you have never eaten it, you have missed a treat. 80 days.

CHARD, SWISS (Spinach Beet)

M.-S. Delmonico

Giant Lucullus

Fordhook Giant

COLLARDS, Georgia

CABBAGE, EARLY POINTED-HEAD

Early Jersey Wakefield

Large Charleston Wakefield

Early York

Early Winnigstadt

CABBAGE, EARLY ROUND AND FLATHEAD

M.-S. Golden Acre

Copenhagen Market

Marion Market

New Early

Early Flat Dutch

CABBAGE, SECOND-EARLY, Succession

All Season

CABBAGE, LATE OR WINTER

Savoy Chieftain

American Drumhead Savoy

Red Dutch Drumhead

Late Flat Dutch

Danish Ballhead

CABBAGE, YELLOWS-RESISTANT

Jersey Queen

Marion Market (Copenhagen)

All Seasons

Golden Acre

Wisconsin Hollander No. 8

CABBAGE, CHINESE, Chihili or Improved Pekin

Pe-Tsai

Hong Bok

CABBAGE

M.-S. CHOICE
SURE-HEADING SEED

One ounce will produce about 2,500 plants; $\frac{1}{4}$ pound for transplanting an acre

CULTURE. Sow seed in January or February in hotbeds, and transplant latter part of April or early in May to open ground; or an early sowing in open ground can be made as soon as weather will permit. Set plants 1 to $1\frac{1}{2}$ feet apart in the row. For second-early, sow in April and transplant in May, or sow in May and transplant in July, setting plants in rows 3 feet apart and 2 feet apart in rows. Never plant in the same ground two years in succession.

Early Pointed-Head Varieties

About 75 days

Early Jersey Wakefield. A fine oblong-shaped Cabbage. Head is solid, there being very few outside leaves.

Early York. Resembles the Early Wakefield.

Early Winnigstadt. Resembles Charleston Wakefield.

Large Charleston Wakefield. Similar to Early Jersey, but the heads are more blunt, equally as solid, while almost twice the size. Matures one week later.

Early Round and Flathead Varieties

About 90 days

Copenhagen Market. Large, globe-shaped, solid head which comes into market along with Charleston Wakefield. Our seed comes direct from the originator. Makes few loose leaves. A vigorous grower and excellent keeper.

Early Flat Dutch. A dwarf-growing type, principally used for early summer.

Marion Market. A development from Copenhagen Market but with larger, round, firm heads. Valuable as an early kraut variety.

M.-S. GOLDEN ACRE. An extra-early strain of Copenhagen Market, maturing about 10 days earlier. It will mature heads measuring 9 inches in diameter, with a uniform weight of 5 pounds, in 80 days from time of sowing. Height of stalk is 2 inches and entire plant consists of 13 leaves, allowing close planting.

New Early. The largest early Cabbage. Head roundish flat, remarkably solid.

Second-Early Varieties

About 100 days

All Season. A popular sort with market gardeners.

Succession. A large, solid, roundish flat-headed sort with few outer leaves. One of the best varieties to follow Large Charleston Wakefield.

Late or Winter Varieties

About 110 days

Savoy Chieftain. 90 day. (All-America Award, 1938.) Flattened globe; very curly; outstanding quality.

American Drumhead Savoy. A beautifully crimped-leaved, deep glossy green sort. The head is almost round.

Danish Ballhead. An elegant, medium-late variety. Round and compact.

Late Flat Dutch. (Improved Strain.) This has been selected especially for our trade, and seed was taken from the finest type of heads selected for solidity and uniformity.

Red Dutch Drumhead. A red variety used extensively for its good qualities.

Yellows-Resistant Varieties

Bred and grown in Wisconsin for their wilt- and yellows-resisting qualities, these varieties will also do better under hot, dry, and unfavorable weather conditions.

Jersey Queen. The yellows-resistant Jersey Wakefield.

Golden Acre. Described opposite.

Marion Market. The yellows-resistant Copenhagen Market.

All Seasons. A very large head, flat and solid. It is valuable for summer or winter use.

Wisconsin Hollander No. 8. The yellows-resistant Danish Ballhead.

We pay postage on all Cabbage Seeds

CABBAGE PLANTS. See page 37.

CHINESE CABBAGE

Grow like late Cabbage, planting in July, as early plantings run quickly to seed. The full-grown plant somewhat resembles a cos lettuce in appearance. It has a mild flavor and may be eaten raw or as a salad, or cooked. Boiled, minced and seasoned with butter, it is especially delectable. 70 days.

Chihili or Improved Pekin. Slender, well blanched.

Pe-Tsai. Slender; green.

Hong Bok. Short and thick; well blanched.



Early Jersey Wakefield Cabbage

CARROT

Sow 1 ounce of seed to 100 feet of row;
2 or 3 pounds to an acre

CULTURE. Good crops may be obtained from ordinary garden soil. For early use, seed may be sown in hotbeds from January until March, and in the open ground as soon as the weather becomes warm and settled, usually in April. Sow seed $\frac{1}{2}$ inch deep, in rows 15 inches apart, and later thin to 5 inches apart in the row. Sow from July 1 to 15 for winter crops. 65 days.

California Bunching. Tops small; roots bright orange, 8 inches long, and almost cylindrical.

Chantenay. Regular stock.

Danvers or Half-Long Orange. Owing to its enormous yield, this is one of the most profitable for main crop. It is somewhat longer than Chantenay.

M.-S. PERFECTION CHANTENAY. An exceptionally valuable variety for market gardeners. The color is appealing, rich deep solid orange throughout. Roots are 7 to 8 inches long, tapering slightly. Tops just long enough to bunch well. It is very prolific, brittle, tender, sweet and delicate in flavor.

M.-S. SOUTHERN PRIDE. An ideal medium-early stump-rooted Carrot, smooth and uniform in shape, averaging 5 inches in length, with thick, heavy shoulders, rather large tops and deep orange color, almost coreless and of fine flavor. Positively the best Carrot for home-garden or market. Advisable for truckers.

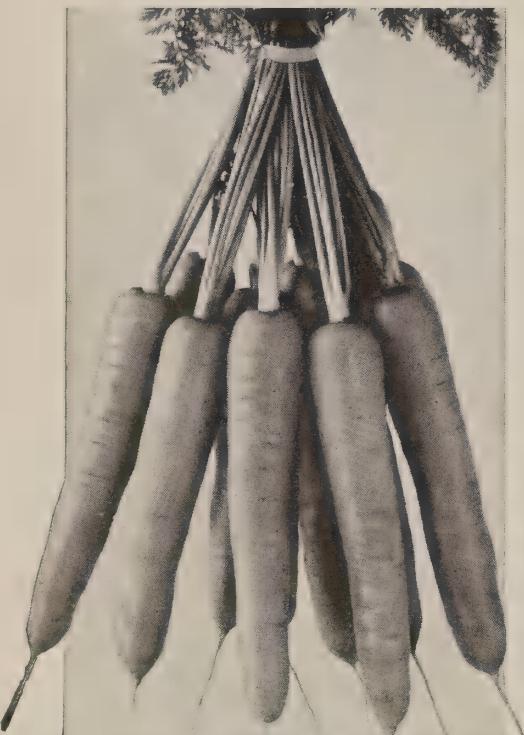
M.-S. Streamlined. See page 4.

Oxheart or Guerande. A short, thick Carrot not exceeding 4 inches in length, and about the same in width which does quite well on hard, heavy soils where the longer varieties are useless.

Red-cored Chantenay. A little more stump-rooted than its famous parent, Chantenay. The delicately flavored flesh is deep orange-red and the core is practically the same color. Tops not too long, making it a desirable bunching Carrot.

Scarlet Horn or French Forcing. These are small but very tender and deliciously flavored.

"Be Prepared with a Defense Garden"



California Bunching Carrots

CELERY

One ounce of seed will produce about 2,000 plants

CULTURE. Sow the last of March or early in April, in an open border, in rich, mellow ground, in shallow drills, watering freely in dry weather. By rolling or pressing in the seed the result will be more satisfactory than when covered. Cut the tops off once or twice before planting out, to make them stocky. When the plants are 5 to 6 inches high, transplant 6 inches apart in the rows. Blanch by earthing up. 125 days.

Easy Blanching. For early use. As self-blanching, as White Plume, and simply needs a slight earthing up.

Giant Pascal. Regular stock.

Golden Detroit. A grand self-blanching variety

Golden Heart. A showy sort. Solid, of fine flavor, and a good keeper.

Golden Plume. Has a beautiful golden color, is crisp, free from strings and has a rich nutty flavor.

Golden Self-blanching. American strain.

Golden Self-blanching, French. (True Strain.) Crisp, delicious, nutty flavor, and absence of strings make our Golden Self-blanching a real delicacy. The stalks are broad, thick and heavy, and easily blanch to a rich, appetizing golden yellow. One of the easiest Celeries to grow, for it blanches with much less earthing up than most sorts.

M.-S. MAGNIFICENT. It is well named for its many good qualities. The stalks, which blanch almost white, are exceedingly brittle. A truly good sort.

M.-S. MONARCH. A decided acquisition in green Celery, producing large stalks and magnificent bright golden yellow heart. The stalks are very solid, brittle and of most delicious flavor and entirely free from stringiness. A remarkably good keeper and presents a handsome appearance when ready for the table.

White Plume. Unsurpassed for fall and early winter use, requiring very little earthing up to blanch it.

Winter Queen. Thick, solid, heavy stalk and a large heart. It is a close, compact grower, and when blanched is a creamy white color.

Flavoring Celery. For culinary purposes.

Celery Handler

H-1. Brass	.....	\$3 00
H-2. Tin	.....	1 00

WE PAY POSTAGE ON ALL SEEDS ON THIS PAGE

CARROTS

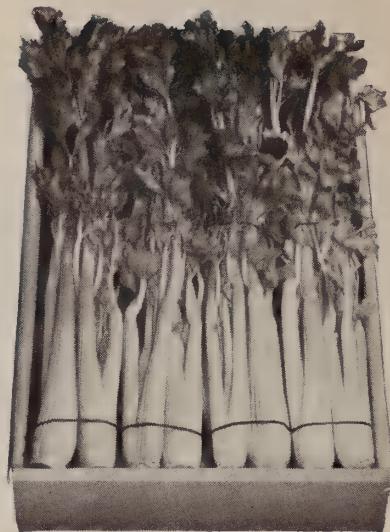
	Pkt.	Oz.	$\frac{1}{4}$ lb.	Lb.	5 lbs.
M.-S. Perfection Chantenay	\$0 10	\$0 20	\$0 50	\$1 50	\$7 00
Red-cored Chantenay	10	20	50	1 50	7 00
M.-S. Southern Pride	10	25	60	1 75	8 25
M.-S. Streamlined	10	20	60	1 75	8 25
Chantenay	10	20	50	1 50	7 00
California Bunching	10	25	60	1 75	8 25
Danvers (Half-Long Orange Carrot)	10	20	50	1 50	7 00
Scarlet Horn (French Forcing)	10	25	60	1 75	8 25
Oxheart (Guerande)	10	15	40	1 25	5 75

CELERY

	Pkt.	Oz.	$\frac{1}{4}$ lb.	Lb.
Golden Plume	\$0 10	\$0 30	\$1 00	\$3 50
Golden Self-blanching, French	15	50	1 50	5 00
Golden Self-blanching	10	35	90	3 00
Golden Detroit	10	30	1 00	3 50
White Plume	10	20	60	2 00
M.-S. Magnificent	15	25	75	2 50
M.-S. Monarch	15	25	75	2 50
Giant Pascal	10	20	50	1 75
Golden Heart	10	20	50	1 75
Winter Queen	10	20	50	1 75
Easy Blanching	10	20	60	2 00
Flavoring Celery	10			

CELERIAC

M.-S. Eureka	10	25	75	2 25
Giant Prague	10	25	75	2 25



Golden Self-blanching Celery

B. B. Improved Celery Bleacher

The ideal bleaching method, convenient, efficient, economical and satisfactory. Takes but a few seconds to apply with B. B. Hand-ler and can be used repeatedly.

Sizes	Doz.	100	per 100
6 $\frac{1}{2}$ x 13 in.	\$0 45	\$3 50	12 lbs.
7 x 14 in.	50	4 00	13 lbs.

Celeriac

M.-S. EUREKA. This is unquestionably the largest and best Celeriac ever introduced. Very large, almost globe shaped, smooth, with only a few roots at the bottom. Flavor is excellent.

Giant Prague.

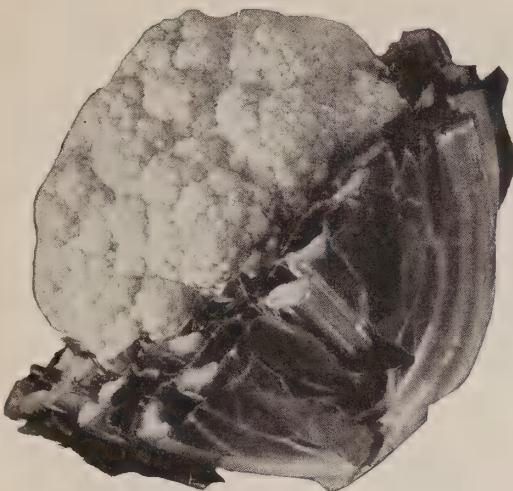
CELERY PLANTS. See page 37.

CRESS

Curled Cress or Pepper Grass. Sow in early spring in rows 2 feet apart and repeat often as it runs to seed very quickly. 40 days.

Upland Cress. The perennial variety. Stays green all year. 60 days.

Water-Cress. Sow early in spring near pond or running water; when established will last for years. 50 days.



M.-S. Early Snowball Cauliflower

CAULIFLOWER

packets, ounces, $\frac{1}{4}$ pounds and pounds, postpaid

One ounce of seed will produce 1,500 plants

CULTURE. Sow seed in hotbeds or window-boxes in February or March and transplant in coldframes. When hard frosts are over, plant outdoors. For second crop, sow in April and set out in May. For late crop, sow in June and set out in July. Plants should be set 2 feet apart in the row. About 90 days.

Dry Weather or Danish Giant. The great drought-resisting variety. The heads are large, snow-white and protected with a liberal growth of foliage. The ideal variety to plant for summer use.

M.-S. EARLY SNOWBALL. Extremely early dwarf variety, producing magnificent white heads of fine quality. Well adapted to hotbed culture.

CAULIFLOWER PLANTS. See page 37.

Corn Salad

Sow 3 ounces of seed to 100 feet of drill

CULTURE. Sow in spring, in drills 1 foot apart. It will mature in 6 to 8 weeks. For winter and early spring use, sow in drills in August and September. Large leaved. 45 days. Supply doubtful.

Cardoon

Grown for its stalks which make a delicious vegetable. Supply doubtful.

CAULIFLOWER

M.-S. Early Snowball.

Dry Weather (Danish Giant)

No. 1. Golden Bantam. An extremely early true Sugar Corn. The grain when ripe is a bright golden yellow; flavor is exceptionally rich and sugary. Produces from 2 to 3 good ears to the stalk.

No. 2. Whipple's Early White. Matures in 65 days. Large ears with wedge-shaped grains of pearly whiteness and high sugar content.

No. 3. M.-S. SNOW-WHITE EVERGREEN. The large, uniform ears are well filled to the top with beautiful white kernels. Splendid sort for market and home-garden, being 10 to 12 days earlier than Stowell's Evergreen. Keeps well after being cut.

No. 4. Country Gentleman or Shoe-Peg. A short-stalked, productive sort. Ears large for so small a stalk; grain narrow, very deep, of excellent quality.

No. 5. Stowell's Evergreen. The ears are large. Grains are deep and sugary.

Black Mexican. An old favorite. Very tender and sweet.

Extra-Early Adams. Stalks 3 to 4 feet high with ears set within 6 inches of ground. Not a Sugar Corn but a decided acquisition so early in the season.

Early Adams. Similar to Extra-Early Adams, larger, but not so early.

Boles Early. This is the earliest of all Adams Corn.

SWEET or SUGAR CORN

One quart of seed will plant 200 hills; 8 quarts in hills to acre

Sugar Corn varies in weight according to variety. We have decided to list 44 pounds as a bushel, except Adams, Tucker's Favorite, and Red Cob 90-Day, which weighs 56 pounds to bushel.

CULTURE. The Sweet or Sugar varieties, being liable to rot in cold or wet ground, should not be planted before May, or until the ground has become warm. For a succession, continue planting every two weeks, until the middle of July, in rich, well-manured ground, in hills, covering about $\frac{1}{2}$ inch and thin out to 3 plants to a hill. Extra-early varieties can be planted 1½ feet apart in the row. The field varieties should be planted 4 feet apart each way, leaving 3 plants to a hill. From 65 to 90 days.

Golden Cross Bantam. A cross of two inbred Bantams. It is 4 to 8 days later than Golden Bantam. Has 8-inch ears with 10 to 14 rows of delicious golden yellow kernels. The sturdy stalks grow 6 to 6½ feet high and are resistant to Stewart's wilt disease. The yield is about twice that of regular strains of Golden Bantam. Matures in 88 days.

Golden Giant. This is a cross between Golden Bantam and Howling Mob, combining the delicious buttery flavor of its yellow parent with the size and quality of its white parent. Stalks 4½ to 6 feet, producing two or three ears 7 to 9 inches long with 12 to 16 rows of deep orange kernels.

Howling Mob. An early Sugar Corn with fine, large ears. Excellent for truckers or the home gardener.

Stowell's Hybrid. There are many useless hybrids on the market. We have tested the various Stowell's types, and observed them in all parts of the country. In our opinion only one is outstanding. We now offer this to our customers. It will increase your yields and uniformity of your crop. Give this a trial. Matures in 90 days.

The Vanguard. Large-eared white Sweet Corn of excellent table quality. Matures in 65 to 70 days.

Trucker's Favorite. A late variety of Adams type. Suitable for table or stock. Ears very large, handsome, 14- to 16-rowed.

Prices on bus. lots of Sugar Corn on request

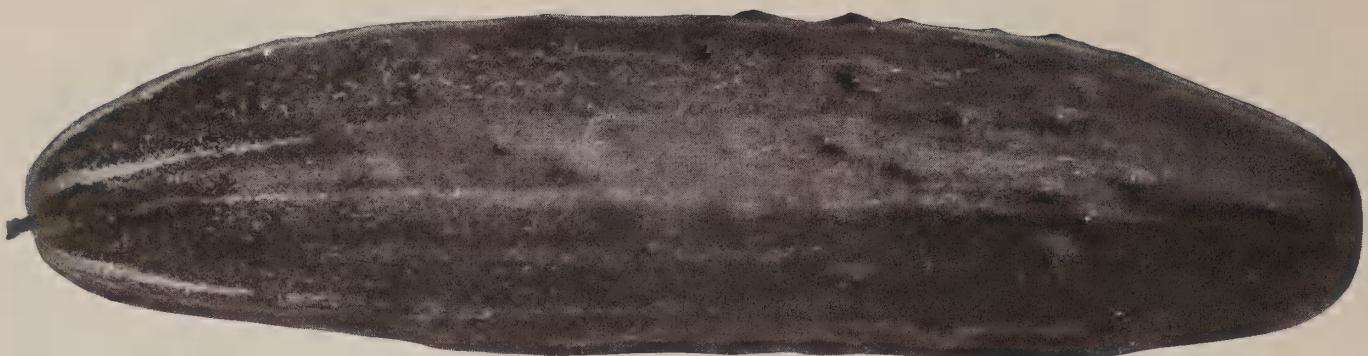
CHERVIL

Used as a salad seasoning.

POSTAGE ON SUGAR CORN EXTRA



Golden Cross Bantam Corn



A & C, 60 Days Cucumber

FIELD CORN

Boone County White.

Collier's Excelsior. White.

Collier's Success. Yellow.

Eureka White Ensilage.

Golden Beauty.

Lancaster County Sure-Crop. Yellow.

Maryland Yellow Dent.

Yellow Leaming.

The above varieties, \$2.50 per bus.

Red Cob 90-Day. A valuable Corn for the truck farmer as it readily sells for Sugar Corn on account of its similarity, showing long blades on ears. Delicious when young. Prices subject to change without notice.

HOOSIER-CROST HYBRID CORN. Hoosier-Crost hybrids have always had a reputation for high yield, greater shelling percentage, sturdiness, resistance to disease, and drought. We offer the two yellow varieties which are best suited to this locality.

No. 644 Hoosier-Crost. 110 to 112 days.

No. 405 Hoosier-Crost. 97 to 102 days.

POP-CORN

South American Yellow Giant. Makes large, white, beautiful puffs.

White Rice.

Prices on larger quantities on request

All-Wire Corn Popper. 25c, postpaid 35c.

All-Steel Wire Cover. Capacity 2½ qts. 50c, postpaid 60c.

Be Prepared with a Defense Garden

CORN, FIELD, HYBRID, and POP	Postage on Corn extra	Qt.	Pk.
Eureka White Ensilage.		\$0 25	\$0 75
Boone County White		25	75
Collier's Excelsior		25	75
Lancaster County Sure-Crop		25	75
Collier's Success		25	75
Yellow Leaming		25	75
Golden Beauty		25	75
Maryland Yellow Dent		25	75
Red Cob 90-Day Corn	1/2pk. 75c	25	1 25
Hoosier-Crost Hybrids, No. 644 and No. 405	Bus. \$6.50	30	1 75
		Lb.	
White Rice			\$0 10
South American Yellow Giant			10

CUCUMBER	Pkt.	Oz.	1/4lb.
M.-S. Colorado	\$0 10	\$0 20	\$0 60
Meyer's Green Pack	10	20	60
A & C, 60 Days	10	20	60
Clark's Special	10	15	35
Early Fortune	10	15	30
New Klondike	10	15	30
M.-S. Cool and Crisp	10	15	40
Improved Long Green	10	15	35
Longfellow	10	15	40
Boston Pickle	10	15	30
Jersey Pickle	10	15	30
Japanese Climbing	15	25	60
Small Gherkin (Burr)	10	25	
English Forcing Telegraph	Pkt. of 12 seeds 25c; 100 seeds \$1.25.		

CHICORY	Pkt.	Oz.
Witloof Chicory (French Endive)	\$0 15	\$0 25
Large-rooted Chicory	15	25

CUCUMBER

One ounce of seed will plant 50 hills; 2 pounds, an acre

CULTURE. For very early Cucumbers, sow the first of April in a hotbed, upon pieces of sod or in small pots, so that they can be readily transplanted to the open ground (in rich soil) when danger of frost is over. For general crop, plant, if the weather has become settled and warm, in hills about 4 feet apart each way; thin out to 4 of the strongest plants to each hill. They succeed best in a warm, moist, rich, loamy soil. For succession sow until the middle of August. About 60 days.

A & C, 60 Days. A new introduction. Vines healthy, robust and resistant to disease, producing white-spined Cucumbers about 10 inches long. Has met with universal satisfaction where planted.

Boston Pickle. Productive and "green" better than any other to "hold color."

Clark's Special. This main-crop variety holds its color and firmness in distance shipping. Its quality is excellent. Attractive deep green in color, uniform in length (8 to 10 inches), very smooth.

Early Fortune. A great favorite with our Anne Arundel County farmers for its early maturity, productiveness, uniformity in large size, and dark green color.

English Forcing Telegraph. These are ideal for growing under glass. They produce enormous fruits, generally 1½ to 2 feet long and 3 inches in diameter.

All Cucumbers sent postpaid

M.-S. Colorado. An All-America Winner in 1935. This long, slender, dark green Cucumber commands a premium price. A vigorous productive variety of unusual stamina. The finest slicing Cucumber.

Improved Long Green. Long and crisp. A popular and reliable variety for pickles. 75 days.

Japanese Climbing. Distinct from other varieties, being a real climber. Very prolific of fruit. An interesting novelty.

Jersey Pickle. Like Boston Pickle.

Longfellow. An excellent long, slender, white-seeded, dark green variety equally desirable for greenhouse forcing or outdoor culture. Fruits 12 to 14 inches long by 2½ inches in diameter.

MEYER'S GREEN PACK. Attractive dark green Cucumbers of symmetrical form, 10 to 11 inches long, and of the highest quality. They mature early and are excellent shippers, retaining their crisp quality longer than most varieties.

M.-S. COOL AND CRISP. Ideal for home and market gardening. Extra early and very prolific. Long, straight, slender, and very dark green. For pickling or slicing.

New Klondike. One of the best for shippers. Grows vigorous vines, fruits early and abundantly. Large, dark green fruits of fine flavor.

Small Gherkin or Burr. Used only for pickling while young and tender.

CHICORY

Large-rooted. The roots are dried and ground and used for flavoring or to mix with coffee. It can also be served like salsify. 100 days.

Witloof. French Endive. Every garden should have a row of this, and we feel sure that every amateur or experienced gardener will be pleased with the results. It is eaten raw or as a salad, and is also sometimes cooked like endive. 110 days.

Supply on the two above very limited



M.-S. Colorado Cucumber

KALE

Dwarf German.

New Imperial Extra-curled, Long-standing. The leaves are very crimped and dark green.

Spring. A hardy, quick-growing, smooth-leaved variety. Sow at intervals of 10 days, so as always to have it young and tender. 30 days.

BORECOLE

Scotch Kale

Sow 1 ounce of seed to about 100 feet of drill, 2 to 3 pounds to the acre

CULTURE. Sow from May to June, and cultivate same as cabbage. For early spring use, sow in September and protect during winter. The Kales are more hardy than cabbage, and make excellent "greens" for spring and winter use, being improved by frost. About 60 days.

Dwarf Blue Scotch, Extra Curled. This Kale is of a dark bluish green color, which it retains without yellowing, even after several days of transportation, thus commanding a higher price when put on the market. It attains a large size and produces a great mass of foliage. In addition it is very hardy and passes the severest winter without being harmed.

Dwarf Green Curled Scotch or Norfolk. One of the most popular shipping sorts. Very largely used in Norfolk trucking district.

Hardy Winter. Grows $1\frac{1}{2}$ feet high with an abundance of beautiful light green leaves which are densely curled and crimped. Besides being very hardy it possesses the advantage of all other varieties in forcing a second crop of moss-curled leaves as soon as the first ones are gone. This new growth is of the finest quality and is ready for market during the winter and early spring months, when it demands fancy prices.

M.-S. EMERALD ISLE. This entirely distinct strain is the handsomest Kale that has ever come under our notice. The closely curled, handsome leaves are most attractive to look at, but that is not all—it is of the finest quality and the flavor is delicious. The plants are of medium height and very hardy.

Tall Scotch. Best for summer. Very spreading, nicely curled and hardy; frost improves it.

BORECOLE PLANTS. See page 37.

ALL SEEDS ON THIS PAGE POSTPAID



Dwarf Green Curled Scotch Kale

KOHLRABI

Sow 1 ounce to 150 feet of drill

A favorite vegetable in Europe where it is extensively grown for table use. The bulb is formed above the ground, and, if used when young and tender, makes a most delicate dish. 50 days.

Earliest Purple Vienna. Same as Early White Vienna, except in the outside color.

Short-leaved Early White Vienna. The best for either forcing or crop.

White Vienna. Greenish white outside with clear white flesh within.



New York Lettuce

LETTUCE

M.-S. CHOICE STRAINS

Sow 2 ounces of seed to 100 yards of row, 1 ounce for 2,000 plants

CULTURE. Lettuce is now sown during almost all seasons of the year. For outdoor use seed can be sown in well-manured hotbeds in February and March. Transplant there or outdoors when the weather will permit—10 inches apart in the row. If the Lettuce is not to head, sow thickly and cut as desired. For best results it is well to sow only the varieties suited to the different seasons and conditions. For winter use, sow seed in September in hotbeds and follow it with other sowings for succession. 50 days.

All-Seasons. A heading variety. Thick leaves; large solid, yellow heads. Succeeds well at all seasons.

Big Boston. Old favorite.

Iceberg. The earliest and largest header of its class; crisp and tender.

California Cream Butter. A good summer sort of reliable heading quality. Yellowish green, slightly marked with brown specks.

Early Curled Simpson. Early fine, large, loose heads, finely fringed and curled.

Grand Rapids. Excellent for forcing. Large, loose, yellowish green head of fine quality. Stands well.

M.-S. BELVEDERE. This sort is extremely slow in running to seed, making it the ideal Lettuce to plant in the spring, as it withstands the summer heat better than any variety we have known so far. It is all green, no red edges, is tender and crisp, and has a fine yellow heart.

No. 12 New York or Wonderful. Also called Iceberg and Los Angeles. This very large-heading Lettuce is desirable not only as a garden variety for summer use, but is much used as a fall and winter market sort. The plant is very large but compact and tight-heading; outer leaves attractive deep green, broad, frilled at edges; inner leaves form a large head, very sweet and tender when in condition for use.

Romaine, Dark Green (Dark Green Cos). Has long, narrow, upright leaves; does not head, but when tied up blanches very nicely.

Romaine, White Paris (White Paris Cos). Like above, but for its color.

Unrivalled. Another old stand-by.

White Boston Special. A new, very high-class strain of the pale, green-leaved Big Boston type without the red-tinged leaf-edge. An entirely dependable sort for growing in coldframes and for first field-planting in the early spring. Many fields gave a 90 per cent first cutting for early market at top prices. The heads show comparative freedom from tip-burn.

Chicken Lettuce. This is a non-heading Lettuce, quite different from those used for human food. The plants grow 4 feet tall before they run to seed. It is ready for cutting in 45 days after sowing. Planted extensively for feeding poultry and rabbits. Yields more food for this purpose than any other plant you can grow. After cutting, the stumps will start again to make a new growth and within a short time you will be able to harvest another crop of tender nutritious leaves for feeding.

Be Prepared with a Defense Garden

BORECOLE or SCOTCH KALE

	Pkt.	Oz.	$\frac{1}{4}$ lb.	Lb.
Hardy Winter	\$0 10	\$0 20	\$0 60	\$2 00
M.-S. Emerald Isle	10	20	50	1 50
Dwarf Green Curled Scotch or Norfolk	10	20	50	1 50
Dwarf Blue Scotch, Extra Curled	10	15	40	1 25
Tall Scotch	10	20	50	1 50
KALE, Dwarf German	10	15	35	1 00
New Imperial Extra-curled, Long-standing	10	15	35	1 00
Spring	10		20	50

KOHLRABI

White Vienna	10	20	60	2 00
Short-leaved Early White Vienna	10	20	60	2 00
Earliest Purple Vienna	10	25	75	2 25

LETTUCE

No. 12 New York (Wonderful)	10	20	50	2 00
Big Boston	10	15	40	1 25
Iceberg	10	15	40	1 25
Unrivalled	10	15	40	1 25
Romaine (White Paris Cos)	10	15	40	1 25
Romaine (Dark Green Cos)	10	15	40	1 25
Grand Rapids	10	15	40	1 25
California Cream Butter	10	15	40	1 25
All-Seasons	10	15	40	1 25
M.-S. Belvedere	15	25	60	2 00
White Boston Special	10	20	50	1 50
Early Curled Simpson	10	15	40	1 25
Chicken Lettuce	1/2lb. 75c.	10	15	40

Certainly You Can Grow Your Own Mushrooms

LEEK

Sow 1 ounce to 150 feet of row

CULTURE. Sow seed and care for the young plants same as for onions, but they need a little more room to develop fully. When the young plants are about the size of a goose-quill, transplant into a prepared bed, 4 to 5 inches apart in the rows. Set the roots deep and draw the earth to them when cultivating, so that they may be well blanched by the time they are fit for use. 85 days.

Elephant. One of the hardiest, largest and best for winter use.

Giant Carentan. Produces a large, thick stem and is of mild flavor.

MUSHROOM SPAWN

PURE-CULTURE (Spore Process)

The best procurable. Makes cream-colored mushrooms. One brick will spawn 10 square feet. Brick 25c, postpaid 32c; 5 bricks \$1.00, postpaid \$1.15; 25 bricks \$4.50, postpaid \$4.85; 50 bricks \$8.50, postpaid \$9.10; full case, 100 bricks, \$16.00. Express or Freight.

Pure Spore Culture Spawn. In bottles. One carton equals 5 bricks. Carton \$1.00; 12 for \$10.75; 25 for \$21.25; 60 for \$48.00.

Cultivation of the Mushroom

Gives full instructions how to grow this delectable vegetable. Price \$1.00, postpaid.

Mushroom or Hotbed Thermometers

Wood frame. Heavy brass point. Parcel Post weight, 2 pounds. \$3.00 each.

MUSTARD

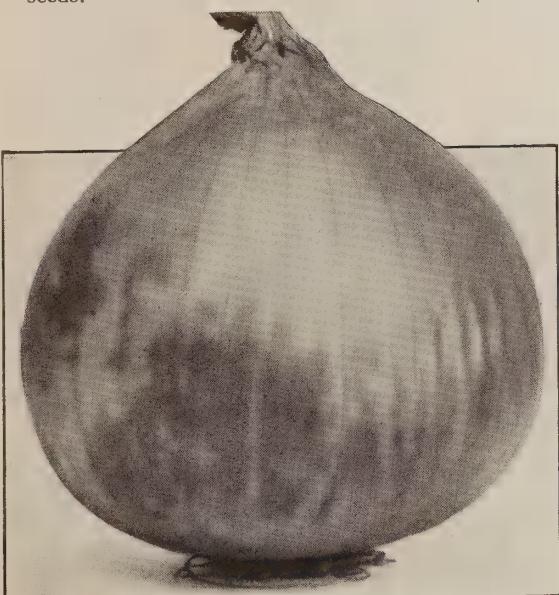
Sow 1 ounce of seed to 100 feet of drill

CULTURE. A pungent salad plant, used like cress; the white seed is also used for flavoring pickles, pepper sauce, etc. For salads, sow thickly in shallow drills 6 inches apart. As plants go to seed quickly, sowings should be made every week or two. To grow white seed, sow in April, in rows 1 foot apart, and thin out to 3 inches apart when 2 inches high. 35 days.

Fordhook Fancy. Dark green leaves, more curled on the edges than any other sort.

Southern Giant Curled. Large, light green leaves, frilled at edges.

White English. Used mostly for the white seeds.



Yellow Globe Danvers Onion

OKRA or GUMBO

Sow 4 ounces of seed to 40 feet of drill

CULTURE. Sow the seed thickly in rich ground about the middle of May, or, when the ground has become warm, in drills 1 inch deep; thin to 10 inches apart in drills. Grown for its green pods, which are used in soups, stews, etc., to which they impart a rich flavor, and are considered nutritious. 60 days.

Improved Dwarf Green Prolific. Of dwarf growth but immensely productive and very early. Short, thick, green pods.

Perkins' Mammoth-podded. Pods are of unusual length (8 to 9 inches) and an intense green color. Very superior for canning.

White Velvet or Lady Finger. Bears round, white, smooth pods unlike other varieties which are ridged or square edged.

ONION SETS

1 quart will plant a row about 50 feet long; 10 to 15 bushels, an acre

Used for an early crop of Onions, and should be planted just as soon as the ground can be worked. Press the bulb lightly in the ground (do not cover) in rows 1 foot apart, 2 inches apart in the row, so that all the development goes in the Onion. On signs of their going to seed, bend the top over but do not break it off. Shipped on local orders about March 1, unless otherwise requested.

For Parcel Post, add 8c per pt.; 10c per qt.; 13c per $\frac{1}{2}$ pk.; 18c per pk.; 44c per bus.

Japanese or Ebenezer. This variety is globe-shaped, about the color of a Yellow Danvers, is very solid and has a mild flavor. It will keep longer than any other variety.

Large Red Wethersfield.

White Silverskin.

Yellow Danvers.

Multiplier Onion Sets. Yellow and White; and **Egyptian Top Onion**, brown—furnished in September and October. Market price.

Prices on Onion Sets subject to change.

Prices on larger quantities furnished on request

WE PAY POSTAGE ON ALL SEEDS
ON THIS PAGE

LEEK

Giant Carentan.....
Elephant.....

MUSTARD

Southern Giant Curled.....
Fordhook Fancy.....
White English.....

OKRA (Gumbo)

White Velvet (Lady Finger).....
Improved Dwarf Green Prolific.....
Perkins' Mammoth-podded.....

ONIONS

Prizetaker.....
Large Red Wethersfield.....
White Sweet Spanish, Riverside.....
White Silverskin.....
Southport White Globe.....
White Bermuda.....
Yellow Globe Danvers.....

CHIVES (Schnittlauch)

ONION SETS

Yellow Danvers.....
Japanese (Ebenezer).....
Large Red Wethersfield.....
White Silverskin.....
Multiplier and Egyptian Top.....

ONIONS

American-grown Seeds

Sow 1 ounce of seed to 100 feet of drill;
1 pounds to an acre

CULTURE. For sets, sow the seed as early as possible in the spring, very thickly in drills. As soon as the tops dry off in the summer, remove them to a dry, airy place, and early in the following spring replant by placing the sets in shallow drills 1 foot apart and about 4 inches apart in the drills. The Onions obtained by this process are of large size early in the season; also can be grown to full size during the first season by sowing thinly in drills 1 foot apart and about $\frac{1}{4}$ inch deep in March or in early April, in strong land, well manured, and thinning them out to stand 3 to 4 inches apart in the drills. About 100 days.

Large Red Wethersfield. Grows to full size the first season from seed. Almost round, large, deep red, and keeps well.

Prizetaker. Flesh white, of mild and delicate flavor. Large Onions are raised the first year from seed, and with ordinary culture produce enormous crops. The Onions sometimes go over 3 pounds under good culture and the white flesh is of mild and delicate flavor.

Southport White Globe. Perfects a very handsome product within 90 days from sowing seed. The bulbs are pure white, of a very mild flavor, and splendid keepers. The flesh is remarkably firm and solid. It is an enormous yielder and as it is very attractive, always sells at high prices.

White Bermuda. They are of a mild and delicate flavor, and keep a long time. Will produce full-grown Onions from seed the same season.

White Silverskin. Ripens early; large, mild in flavor, and excellent for winter use. Much esteemed for pickling when small.

Yellow Globe Danvers. One of the most extensively used yellow Onions.

White Sweet Spanish, Riverside. Large and mild. Good keeper.

ONION PLANTS. See page 37.

Chives (Schnittlauch)

Very mild onion flavor. Used with cottage cheese and on egg omelets. Supply limited.

	Pkt.	Oz.	$\frac{1}{4}$ lb.	Lb.
	\$0 10	\$0 35	\$1 25	\$4 00
LEEK				
Giant Carentan.....	10	35	1 25	4 00
Elephant.....				
MUSTARD				
Southern Giant Curled.....	10	15	20	50
Fordhook Fancy.....	10	15	20	50
White English.....	10	15	20	40
OKRA (Gumbo)				
White Velvet (Lady Finger).....	10	15	20	50
Improved Dwarf Green Prolific.....	10	15	20	50
Perkins' Mammoth-podded.....	10	15	20	50
ONIONS				
Prizetaker.....	10	35	1 25	4 00
Large Red Wethersfield.....	10	35	1 25	4 00
White Sweet Spanish, Riverside.....	10	35	1 25	4 00
White Silverskin.....	10	35	1 25	4 00
Southport White Globe.....	10	40	1 50	5 00
White Bermuda.....	10	50		
Yellow Globe Danvers.....	10	35	1 25	4 00
CHIVES (Schnittlauch)	15	75		
ONION SETS				
Yellow Danvers.....	15	75		
Japanese (Ebenezer).....	15	90	3 00	
Large Red Wethersfield.....	15	90	3 00	
White Silverskin.....	15	90	3 00	
Multiplier and Egyptian Top.....	15	90	3 00	Market price

MUSKMELONS or CANTALOUPES

Sow 1 ounce of seed to about 50 hills; 2 to 3 pounds in hills to an acre

CULTURE. Melons do best in a light or sandy soil, but with a little labor in preparing hills they can be grown in almost any warm, sunny location. Make hills 5 feet apart each way, putting two or three shovelfuls of well-rotted manure in each hill; pack it down tight, cover it with 3 inches of fine, loose soil, making hills 1 foot in diameter. When the weather is quite warm, scatter 10 to 15 seeds thinly over the surface of the freshly-made hills and cover with $\frac{1}{2}$ inch of fine soil. When the young plants are well established, thin out to the best three plants. For early use, sow in hotbed, on piece of sod or in pots. From 65 to 100 days.

Green-Fleshed Varieties

Baltimore Nutmeg. Large, oval, deeply netted; solid green flesh of fine quality.

Bottomly. True Anne Arundel strain. Medium size, oblong, deeply netted; green flesh and delicious flavor.

Knight. Regular stock.

M.-S. Long John. A product of Anne Arundel County. It averages 8 to 10 inches in diameter, is deeply netted and ribbed; flesh green, thick, and deliciously flavored.

New Honeydew. A melon with smooth, almost white rind, measuring about 6 inches in diameter by 7 to 8 inches long. Thick green flesh of a peculiar sweet flavor, resembling a well-ripened banana.

Rocky Ford. Early. Small, oval; green flesh of excellent quality. A good shipper.

Salmon-Fleshed Varieties

Banana. The flesh (the melon is nearly solid) is of a rich salmon and is fragrant. The quality is first rate when the melon is thoroughly ripe. It grows from 20 to 28 inches in length and is very prolific.

No. 36. Hale's Best. Very early. An oval melon with heavy netting and ribs hardly apparent. Flesh exceptionally thick, firm, of fine, sweet flavor, deep salmon, with very small seed-cavity. It is ready for market in about 70 days.

Hearts of Gold. A fair-sized melon, with distinct ribs and quite heavily netted. The rich, golden flesh has a most excellent flavor and is very deep, having only a small seed-cavity. As a shipper the high quality is retained perfectly after traveling long distances.

Honeydew. Pink-fleshed, same as the green one, with the exception that the flesh is of a beautiful pink tint and highly flavored.

Miller's Cream or Osage. Melons large, round, with light green, netted skin and thick, sweet, salmon-colored flesh.

M.-S. GOLDEN WONDER. Most delicious flavored golden yellow meat, which is thick and solid. Medium size, oval. Very vigorous and productive vines, which are great drought- and blight-resisters.



M.-S. Long John Cantaloupe

WATERMELON

Sow 1 ounce of seed to 30 hills; 4 to 5 pounds, an acre

CULTURE. Watermelons should be planted in hills 8 to 10 feet apart. Otherwise for culture, see directions for Cantaloupes. Do not grow them near pumpkins or gourds. About 85 days.

Dixie Queen. The sparkling, crisp, rich scarlet flesh is firm, sweet, and juicy right up to the rind, which is thin but tough. It is a splendid shipper.

Excel. The largest shipping melon yet produced, of good flavor, strong, tough rind, and solid, firm, crisp flesh that will keep well.

Florida Favorite. Large, long, striped melon, excellent for family garden. Rind thin, but firm; flesh very deep red and exceptionally sweet. Splendid shipper.

Golden Heart. A decided novelty in Watermelons, producing melons which have delicious yellow meat almost to the rind.

Gray Jacket. The productiveness is wonderful, the eating quality is all that could be desired in a Watermelon. Sparkling red flesh, very sweet, and entirely free from hard centers or stringiness, yet very firm and compact. Uniformly large (30 pounds). Gray rind. Ripens medium early, and is one of the best shippers. 85 days.

Gray Monarch or Long White Icing. Very large, long; crimson flesh.

Hawkesbury. Excellent market sort of fine eating quality, uniform shape, and highly resistant to fusarium wilt. Vines vigorous. Melons weigh 30 pounds or more. Light gray-green rind which is tough. Flesh red, no trace of hard centers. Black seeds.

Kleckley Sweet. Not a shipping variety, as the rind is too close to the ripe, fluffy, rich red meat, when in condition to use. Melons average about 20 inches long and ripen quite early.

M.-S. SWEETHEART. Give this one a trial for a real treat. Either for market or home.

New Creation. An enormous melon, rich green with mottled stripes. The thin rind is extremely tough and will stand shipping. Sparkling red flesh of a delicious flavor.

Stone Mountain. A round melon up to 50 pounds. Dark green skin. Deep red flesh, almost all heart; very sweet. Recommended for the home-garden and near-by markets. 90 days.

Thurmond Gray. This has earned a permanent place among the best shipping varieties and will be grown extensively in the future. It grows to large size (30 pounds), is productive, and the cutting quality is good. A long, thick, green-gray melon, with red flesh and thin rind. Seeds brown. 95 days.

Tom Watson. A large, long melon with dark green rind and light crimson flesh of excellent quality. A splendid shipper.

CITRON. Grows uniformly round and smooth, striped and marbled with light green. Flesh white and solid; seeds red. It should be borne in mind that this variety is not used for eating in the raw state, but for preserves, pickles, etc.

WATERMELON SEED. For medicinal purposes.

PRACTICAL VEGETABLE CULTURE. By A. E. Wilkinson. The growing of vegetables for home consumption and on the farm for profit. 308 pages, 177 illustrations. Cloth \$2.00, postpaid \$2.15.

WE PAY POSTAGE ON ALL SEEDS
ON THIS PAGE

MUSKMELONS (CANTALOUPES), Green-fleshed

	Pkt.	Oz.	1/4 lb.	Lb.
Long John	\$0 10	\$0 20	\$0 60	\$2 00
Bottomly	10	15	45	1 50
Knight	10	15	45	1 50
Rocky Ford	10	15	25	75
Baltimore Nutmeg	10	15	25	75
New Honeydew	10	15	30	1 00

MUSKMELONS (CANTALOUPES), Salmon-fleshed

Hearts of Gold	10	15	30	1 00
No. 36. Hale's Best	10	15	30	1 00
Miller's Cream (Osage)	10	15	30	1 00
Banana	10	15	50	1 50
Honeydew	10	15	30	1 00
M.-S. Golden Wonder	15	20	50	1 50

WATERMELON

New Creation	10	20	50	1 25
Florida Favorite	10	15	25	75
Gray Monarch (Long White Icing)	10	15	25	75
Gray Jacket	10	20	50	1 25
Dixie Queen	10	15	50	1 25
Stone Mountain	10	15	25	75
Thurmond Gray	10	15	30	1 00
M.-S. Sweetheart	10	15	30	1 00
Golden Heart	10	15	40	
Hawkesbury	10	20	60	1 50
Tom Watson	10	15	25	75
Excel	10	15	25	75
Kleckley Sweet	10	15	25	75
Citron	10	15	25	90

WATERMELON SEED (Medicinal)



M.-S. Green Curled Beauty Parsley

PARSLEY

Sow 1 ounce to 150 feet of drill

CULTURE. Parsley requires rich, mellow soil. The seed is even slower than that of the parsnip in germinating and should be sown as early as possible in the spring, in drills 1 foot apart. When plants are well up, thin to 1 foot in the row; when about 3 inches high, cut off the leaves and the plant will start a new growth. 70 days.

Champion Moss Curled. A distinct variety of unequalled merit, beautifully crimped and curled.

Green Mountain. Beautifully crimped and curled; perfectly hardy and vigorous grower.

M.-S. GREEN CURLED BEAUTY. Very handsome; dark green; beautifully curled. Dwarf habit; hardy and productive; very slow going to seed. It can be cut the year round.

Paramount. An unusually rich dark green variety. The curl is generally described as "triple curled," but is most uniform in this respect and the uniformity of plant type is also most striking. When thinned, the plants grow about 1 foot high with a spread of about 20 inches.

Plain or Single. Very hardy and strongly flavored.

Turnip-rooted or Hamburg. The fleshy root is used for flavoring soups, stews, etc.

"Be Prepared with a Defense Garden"

PARSNIP

*Sow 1 ounce to 200 feet of drill;
5 to 6 pounds to an acre*

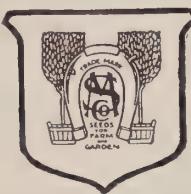
CULTURE. Sow as early in the spring as the weather will permit, in drills 16 inches apart and $\frac{1}{2}$ inch deep, in a rich, deep soil; thin out to 6 inches apart in the rows. The quality of the roots is improved by leaving them in the ground over winter for spring use. 100 days.

All-American. Resembles Hollow Crown but roots slightly shorter, very free from side roots, uniform, with distinct hollow crown; tender and of fine flavor.

Improved Hollow Crown. A great cropper. Roots long, very smooth, white, tender, sugary, and of excellent flavor.



Improved Hollow Crown Parsnips



WE PAY
POSTAGE ON ALL
SEEDS ON THIS
PAGE

PARSLEY

	Pkt.	Oz.	$\frac{1}{4}$ lb.	Lb.
Paramount	\$0 10	\$0 15	\$0 30	\$0 90
M.-S. Green Curled Beauty	10	15	30	90
Champion Moss Curled	10	15	25	75
Green Mountain	10	15	25	75
Plain (Single)	10	15	35	75
Turnip-rooted (Hamburg)	10	15	25	75

PARSNIP

	Pkt.	Oz.	$\frac{1}{4}$ lb.	Lb.
Improved Hollow Crown	10	15	20	75
All-American	10	15	35	100

PEANUTS, M.-S. Improved Jumbo

PEPPER	Pkt.	$\frac{1}{2}$ oz.	Oz.	2 ozs.	$\frac{1}{4}$ lb.	Lb.
California Wonder	\$0 10		\$0 30		\$0 90	\$3 00
Chinese Giant	10		40	\$0 75	1 25	4 00
Crimson Giant	10		40	75	1 25	4 00
M.-S. Everbearing Sweet	10	\$0 30	50	90	1 50	5 00
Perfection Pimiento	10	30	50			
Ruby King	10	20	25		75	2 50
World Beater	10	20	25		75	2 50
Golden Dawn	10	35	60			
Large Bell (Bull Nose) Hot	10	20	35		1 00	3 25
Long Red Cayenne	10	25	40			
Small Chili	10	30	50			
Red Cherry	10	40	75			

PEPPER

One ounce of seed will produce 1,000 plants

CULTURE. Sow in hotbeds in March or April, or in a warm, sheltered border in May. When the season is favorable, transplant in rows 2 feet apart and $1\frac{1}{2}$ feet apart in row, in good, rich ground. About 120 days.

California Wonder. While similar both in size and shape to the Chinese Giant, this Pepper is much heavier, the meat being about three times as thick. The flavor is sweet, excellent, and the keeping quality could not be better. A medium-sized Pepper will average $\frac{1}{2}$ pound or better in weight when ready for marketing.

Chinese Giant. A real monster Pepper, perfectly sweet. The fruit is green, turning to bright scarlet. Matures very late.

Crimson Giant. Like above, somewhat longer and earlier.

Golden Dawn. A large, very sweet yellow variety.

M.-S. EVERBEARING SWEET. A large Pepper of the finest quality, the flesh being so thick and tender that it can be fried like meat and so sweet that it can be eaten like an apple. It is an early variety and is a generous producer.

Perfection Pimiento. Very fleshy and sweet.

Ruby King. Good for mangoes or pickling. Large, very sweet; quite productive.

World Beater. Excellent market gardeners, sort.

Hot Varieties

Red Cherry. A small, round Pepper. Very hot.

Small Chili. Small, conical pods. Very hot.

Large Bell. Large, early, hot, thick, fleshy variety.

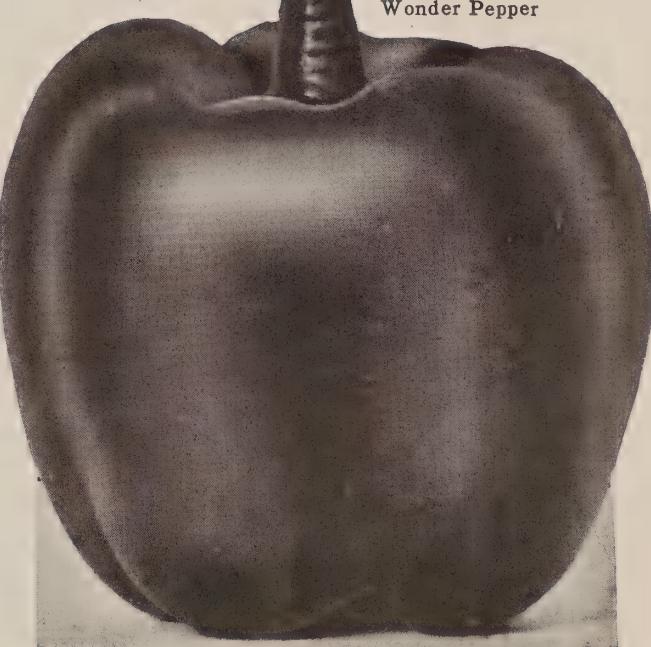
Long Red Cayenne.

PEPPER PLANTS. Listed on page 37.

M.-S. IMPROVED JUMBO PEANUTS

CULTURE. Plant in May or early June, in rows about $2\frac{1}{2}$ to 3 feet apart, dropping the nuts 8 to 10 inches apart, one in a hill. Cover 1 or 2 inches deep. Cultivate 3 or 4 times with a cultivator, so as to loosen the earth and keep down weeds, and at the last working, with a shallow turn-plow, throw the dirt to the nuts. *Special price on large quantity.*

California
Wonder Pepper



PEAS

M.-S. SUPERIOR HAND-PICKED

Nitragin—the best inoculation for Peas. See page 39

Prices on larger quantities on application

Prices on all Peas are subject to market changes

Sow 1 quart of seed to 200 feet of row; 1/2 to 2 bushels to an acre in drills

CULTURE. Peas succeed best in light, dry, loamy soil. Sow the early, smooth, round sorts as early in the spring as the ground can be worked. Seeds of wrinkled varieties are more liable to rot if the ground is cold, and must be planted later. Sow in single rows, or in double drills, 6 to 8 inches apart, 1 inch apart in the drill, and not less than 4 inches deep; for late sorts 5 to 6 inches deep. Deep planting prevents mildew.

If to be sent by Parcel Post, add 8c per pt.; 10c per qt.; 16c per 1/2pk.; 25c per pk.; 75c per bus.

Extra-Early Varieties

Weight, 60 pounds per bushel. About 50 days

Early Bird. As early as Alaska and First and Best and as large as Thomas Laxton or Gradus. Dwarf, vigorous vines about 2 feet high, covered with immense pods filled with delicious Peas. Perfectly hardy. Can be planted as early as any variety.

Extra-Early Alaska. Popular among market gardeners for an early crop. The pods are of medium size, dark green and ripen almost at one time.

Long-podded Alaska or Bountiful. Vines 3 feet high and heavy bearers. The pods, 3 inches long, mature shortly after Alaska, and are well filled with sweet, tender Peas.

Mammoth-podded Extra Early. Vines 3 feet high. Pods dark green, 4 inches long, containing 7 extra-large, light green Peas. A very productive and extra-fine sort.

Pedigree First and Best. An excellent strain of first-early Peas largely planted throughout trucking sections. Height, 2 to 2 1/2 feet.

Pilot. A few days earlier than Gradus, with a larger pod. Height, 3 feet. As the seed is almost smooth, it can be sown with the Extra Earlies.

Extra-Early Wrinkled Varieties

Weight, 56 pounds per bushel. About 55 days

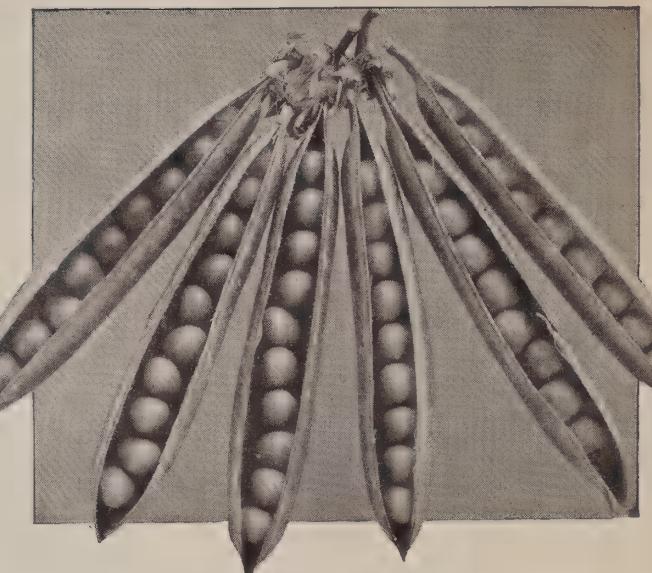
Early Wonder. Extremely early, of high quality and very productive. Pods are dark, long, well filled, and handsome. Can be shipped long distances.

Gradus or Prosperity. The pods, fully as long as those of the well-known Telephone, contain very large Peas that are unexcelled for sweetness.

Laxtonian. Hundred-fold strain, sometimes called Blue Bantam. Pods 3 1/2 to 4 inches long, slightly curved. Very heavy yielder.



M.-S. Little Marvel Peas



M.-S. World's Record Peas

Medium and Late Varieties

About 70 days

Champion of England. Grows 4 1/2 feet high. Medium-sized pods filled with Peas of good quality.

Dwarf Gray Melting Sugar. The pods as well as the Peas of this variety are edible and both very sweet.

Tall White Melting Sugar. Like the dwarf, the pods as well as the Peas are eatable and both very sweet.

Telephone. For general planting this tall-growing variety is undoubtedly the most popular among market gardeners. The pods, 4 to 4 1/2 inches long, are light green in color and filled with large, sweet, tender Peas.

Black-eyed Peas. Popular variety for soup in their dry state.

For the convenience of our customers, we suggest the varieties listed below, for successive planting and maturity. These Peas succeed each other in their numerical order as listed.

1. Early Bird
2. M.-S. World's Record
3. M.-S. Little Marvel
4. Daisy or Dwarf Telephone
5. Telephone

PEAS, EXTRA-EARLY

	Pkt.	Pt.	Qt.	1/2pk.	Peck
	All bus. prices on request				
Early Bird	\$0 10	\$0 25	\$0 40	\$1 35	\$2 50
Mammoth-podded Extra Early	10	25	40	1 35	2 50
Pilot	10	25	40	1 35	2 50
Long-podded Alaska (Bountiful)	10	25	40	1 25	2 25
Extra-Early Alaska	10	20	35	1 00	1 75
Pedigree First and Best	10	25	40	1 15	2 00

PEAS, EXTRA-EARLY WRINKLED

Early Wonder	10	25	40	1 35	2 50
M.-S. World's Record	10	25	40	1 35	2 50
Laxton's Progress	10	25	40	1 35	2 50
Laxtonian, Hundred-fold strain	10	25	40	1 35	2 50
Thomas Laxton	10	25	40	1 25	2 25
Gradus (Prosperity)	10	25	40	1 25	2 25
M.-S. Giant-Podded Hamper	10	30	50	1 50	2 75

PEAS, MEDIUM-EARLY WRINKLED

M.-S. Little Marvel	10	30	50	1 50	2 50
Nott's Excelsior	10	25	40	1 25	2 25
Daisy (Dwarf Telephone)	10	25	40	1 15	2 00

PEAS, MEDIUM AND LATE

Telephone	10	25	40	1 15	2 00
Champion of England	10	25	40	1 15	2 00
Dwarf Gray Melting Sugar Peas	10	30	50	1 75	3 00
Tall White Melting Sugar Peas	10	30	50	1 75	3 00
Black-eyed Peas			25		75

Use 4-8-5 Fertilizer for Potatoes

POTATOES

Prices subject to market fluctuations. Prices on bag lots or larger quantities of Selected or Certified Stock furnished on application.

Present price of all kinds, peck and bushel lots, Selected Stock, 50c per pk.; \$1.50 per bus., except where noted.

If wanted by Parcel Post, add 25c to pk.; 75c to bus., for 1st and 2d zones.

CULTURE. Planting may commence as early in the spring as the ground can be worked. Place one piece every 1 foot in rows 2½ feet apart, covering about 4 inches. When cutting the seed, allow two eyes to each piece.

Plant 8 to 10 bushels of Seed Potatoes per acre

Chippewa. Originated by U. S. Dept. of Agric. Seven to ten days later than Irish Cobblers. Immune to mosaic and superior to Cobbler in smoothness and whiteness. During the past 5 years it has outyielded the best strains of Cobblers on both muck and upland soils. Pk. 65c; bus. \$1.75.

Houlton Early Rose. This strain of the old favorite Early Rose has been the most popular on our market in recent years.

Irish Cobbler. An early Potato of exceptional merit which has given our trade entire satisfaction. Round; flesh white; eyes strong and deeply set.

Katahdin. Originated by U. S. Dept. of Agric. Handsome, shallow-eyed glossy, white-skinned variety that matures a little earlier than Green Mountain and the Rurals. Beats all varieties in uniformity of shape, size, and general appearance. Pk. 65c; bus. \$1.75.

M.-S. FILL BASKET. On account of the large yields that have been reported on this Potato, our sales on it have increased wonderfully. It is of handsome shape and most desirable for the best trade. A vigorous grower; ripens uniformly; a good keeper; medium late. The vines are always very heavy, the seed being especially vigorous and tubers always good size, where soil is well tilled. Very smooth and a good cooker.

Red Bliss. Very early. Thin, red skin; round; white flesh.

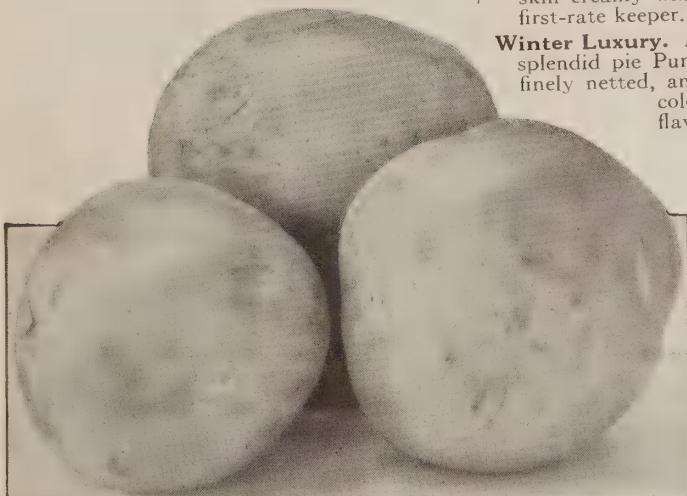
Improved Green Mountain Prosperity Dakota Reds

All three late sorts. Prices furnished on application

CHOICE SEED SWEET POTATOES. Leading varieties. Prices on application.

SWEET POTATO PLANTS. See page 37.

FOR LARGER CROPS, DIP WITH SEMESAN BEL



Katahdin Potatoes

PUMPKIN

We pay postage on pkts., ozs., 1/4 lbs., and lbs.

Sow 1 ounce to 15 hills; 3 to 4 pounds to an acre

CULTURE. Sow in the month of May. Make hills the same as you do for squashes but do not make them too close. About 85 days.

Common Yellow or Connecticut Field. Very productive; for feeding stock.

Cushaw or Winter Crookneck. An old standard variety which is very popular. It is also used for feeding stock. Long, yellow crookneck, fine-grained yellow flesh, very solid.

Cushaw Striped. Same as above, but it is green and white striped.

Japanese Pie. Flesh very thick, rich salmon color, fine grain, dry and sweet.

King of the Mammoths or Pot Iron. An immense variety, which always wins the prize offered for the largest and best Pumpkins; grown to weigh over 200 pounds. Flesh of a rich, golden yellow; a splendid keeper.



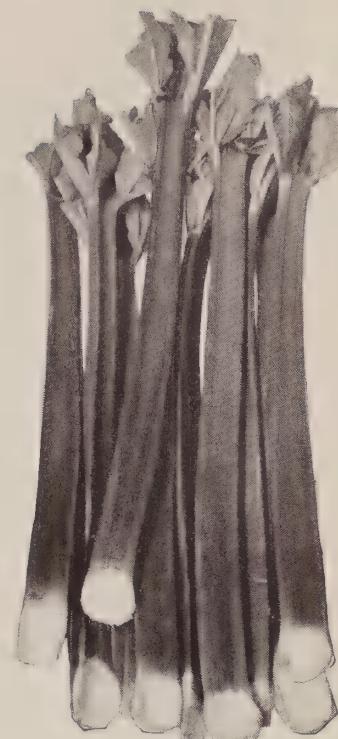
M.-S. Sugar Pie Pumpkin

M.-S. SUGAR PIE. These Pumpkins are small but are of the best quality, with very sweet, fine-grained flesh which makes the very finest of pies. An excellent market and home-garden variety.

M.-S. YANKEE PIE PUMPKIN. We consider this to be the best pie Pumpkin that grows. Strong vines bear an abundance of good-keeping, large, handsome, pear-shaped golden yellow Pumpkins which ripen early. They are so sweet that they require very little sugar.

Tennessee Sweet Potato. Excellent for pies. Pear-shaped, medium size, flesh and skin creamy white, fine grained, sweet, a first-rate keeper.

Winter Luxury. A very good keeper and a splendid pie Pumpkin; shape round; skin finely netted, and beautiful russet-yellow color; flesh thick and of fine flavor.



Myatt's Victoria Rhubarb

RHUBARB

CULTURE. Sow seed in a coldframe, in fine, rich sandy loam, about March 1, in drills 4 inches apart. Keep the frames covered during nights and cold days, so that the soil will not freeze, and in 6 to 8 weeks the plants will be large enough to set out in the open ground. Transplant to rich soil and set 1 foot apart in rows. The following spring transplant to permanent location, setting 4 to 5 feet apart each way. In good soil Rhubarb is ready to use the second year from seed.

If our 2-year-old roots are used, a crop may be had the same season, which is much better than sowing seed where only a few plants are needed for family use. In the fall the bed should have a thick dressing of coarse manure to be spaded under in spring.

Myatt's Victoria. The leading variety.

RHUBARB ROOTS. See page 37.

SORREL or SOUR GRASS

CULTURE. Sow in spring in rich soil, in drills 1½ feet apart, and keep the flower-stems cut off as they appear. It remains in the ground year after year, and only needs to be taken up and divided once in 4 to 5 years. Cut and cook precisely like spinach; or it is excellent cooked with it, one-third Sorrel to two-thirds spinach. It is also used for soups. Inasmuch as the hot sun tends to increase its acidity, a northern exposure is preferable.

Narrow-Leaf

Broad-Leaf

	Pkt.	Oz.	1/4 lb.	Lb.
M.-S. Yankee Pie Pumpkin	\$0 15	\$0 20	\$0 35	\$1 00
King of the Mammoths (Pot Iron)	10	15	25	75
Cushaw (Winter Crookneck)	10	15	25	90
Cushaw Striped	10	15	25	75
Japanese Pie	10	15	25	75
Tennessee Sweet Potato	10	15	25	75
Winter Luxury Pumpkin	10	15	25	90
M.-S. Sugar Pie	15	20	35	1 00
Common Yellow (Connecticut Field)	10	15	20	50

RHUBARB

Myatt's Victoria

SORREL (Sour Grass)

Narrow-Leaf

Broad-Leaf

Because of War Conditions, all prices are subject to Drastic Changes

RADISH

M.-S. SELECTED SEED

*Sow 1 ounce of seed to 50-foot drill;
10 pounds in drills to an acre*

CULTURE. To be tender and crisp Radishes must be grown quickly, and this requires rich soil and plenty of moisture. Commencing with the first mild spell in the spring, sow at intervals of 10 days. May also be sown as a catch crop between rows of beets, lettuce, onions, etc. Radishes can be forced in hot-beds, but must have plenty of ventilation and moisture.

Early Varieties

25 to 30 days

Early Long Scarlet Short-Top.

Early French Breakfast. Rapid grower. Oblong shape; very mild and tender; beautiful scarlet color, tipped with white.

Icicle. Slender, smooth, pure white roots that average about 6 to 7 inches long when matured. Quite early and of excellent quality.

Long White Vienna or Lady Finger.

M.-S. EARLY CARDINAL. These little Radishes are of the most brilliant fiery red color that we have ever seen in a Radish. They are perfectly round and come so early in the season that if they were only of ordinary quality, they would be desirable, but they are unusually tender and crisp. They will stand the heat, are fine for forcing and are most desirable for both the home-garden and market.

New Glass or Cincinnati Market. A long scarlet Radish with a distinctive white tip. Fine for home-garden as well as an attractive one for market stall.

Scarlet Globe Early. Can be used for forcing and early outdoor planting. Small, round, red; with rich, crisp, tender flesh.

White Box. (Turnip shape.) Fine for forcing and open ground.

White-tipped Scarlet Globe. A good, very early forcing variety. Small; bright scarlet with white tip; good quality.



Icicle Radishes

Summer Radishes

Golden Globe. Golden brown skin; perfect globe shape; mild and brittle.

Large White Stuttgart. Very large, top-shaped; flesh and skin white, fine quality, firm, and brittle, seldom pithy. Can be stored for winter.

White Strasburg. Handsome; oblong, tapering; skin and flesh pure white, firm, brittle, tender, and retains its crispness even when the roots are old and large. Withstands severe heat and grows quickly.

Winter Varieties

60 days. Plant after August 15 and through September

China Rose or Scarlet China. Bright rose-colored, stump-rooted Radish of excellent quality.

Long Black Spanish. Large Radish with black skin and white, firm flesh. Grows 6 to 8 inches long.

Round Black Spanish. Like the above, except that it is round.

Sakurajima or Mammoth Japan. The largest sort in cultivation. Sow in rich soil. In Japan it grows as much as 21 inches long and 43 inches in circumference. Thin well to allow proper development.

White Chinese or New Celestial. Large; stump-rooted; white skin and flesh, mild in flavor, brittle and never woody. A splendid keeper.

SQUASH

Bush Sorts: Sow 1 ounce of seed for 50 hills; 5 to 6 pounds to an acre. Running Varieties: 3 to 4 pounds in hills to an acre

CULTURE. Squashes should be planted in a warm, light, rich soil after the weather has become settled and warm—about the middle of May or June. Plant in well-manured hills, in the same manner as cucumbers and melons—the bush varieties 3 to 4 feet apart each way and the running kinds from 6 to 8 feet; 8 to 10 seeds should be sown in each hill, thinning out after they have attained their rough leaves and danger from bugs is over, leaving 3 or 4 of the strongest plants per hill. About 60 and 100 days.

Blue Hubbard. A selection from the original Hubbard. Fruit large, gray-blue, remarkably good keeper and excellent quality. Running variety. Late.



Green-tinted Bush Squash

Boston Marrow. Large, oval, hard-shelled sort, highly esteemed for winter use. Bright orange skin and deep orange flesh. Strong running growth. Late.

Early White Bush.

Giant Yellow Straightneck. Like Crook-neck, but straight and thicker.

Golden Hubbard. Like the above but of a beautiful, orange-red color. Late.

Green-tinted Bush. Particularly desirable for market gardeners on account of its green-tinted, well-scalloped, uniform, small-sized fruit.

Hubbard. An excellent keeper of splendid quality. Vines of strong, running growth. Large, olive-shaped fruits with dark green skin; rich flesh. Late.

M.-S. PERFECTION BUSH. The finest scalloped white Squash that grows. Best for home-gardens and market gardeners.

Summer Crookneck, Bush Variety. About 1 foot long, with crooked neck; bright yellow, warty shell, hard when ripe.

Acorn or Table Queen. Size 4 3/4 x 3 1/2 inches. Weight, 1 pound. Edible in 58 days. Used when mature. Green, resembles acorn. Orange flesh. Cut in half, bakes dry and sweet. Very prolific.

RADISH, EARLY VARIETIES

	Pkt.	Oz.	1/4lb.	Lb.
	\$0	\$0	\$0	\$0
	10	15	25	75
Scarlet Globe Early				
M.-S. Early Cardinal	10	20	35	1 00
French Breakfast, Early	10	15	25	75
Early Long Scarlet Short-Top	10	15	25	75
Icicle	10	15	25	75
Long White Vienna (Lady Finger)	10	15	25	75
New Glass (Cincinnati Market)	10	15	25	75
White Box	10	15	25	75
White-tipped Scarlet Globe	10	15	25	75

RADISH, SUMMER VARIETIES

White Strasburg	10	15	25	75
Golden Globe	10	15	30	85
Large White Stuttgart	10	15	30	85

RADISH, WINTER VARIETIES

Long Black Spanish	10	15	30	85
Round Black Spanish	10	15	30	85
China Rose (Scarlet China)	10	15	30	85
White Chinese (New Celestial)	10	15	30	85

Sakurajima (Mammoth Japan)	10	25	75	
SQUASH				
M.-S. Perfection Bush	10	15	30	90
Early White Bush	10	15	25	75
Green-tinted Bush	10	15	25	75

Summer Crookneck, Bush Variety	10	15	35	1 00
Giant Yellow Straightneck	10	15	35	1 00
Hubbard	10	15	30	1 00
Golden Hubbard	10	15	30	1 00
Boston Marrow	10	15	20	50

Blue Hubbard	10	15	30	1 00
Acorn (Table Queen)	10	15	35	1 00

Eat Spinach for Iron



M.-S. Reselected Bloomsdale Savoy-leaved Spinach

SALSIFY or OYSTER PLANT

Sow 1 ounce of seed to 70 feet of drill; about 8 pounds to an acre

CULTURE. Sow as early as ground can be worked in spring, in drills 1 inch deep, and thin out to 6 inches in the row. Cultivate the same as for carrots and parsnips. A part of the crop may be left in the ground until spring, when it will be found fresh and plump. The roots are cut into pieces $\frac{1}{2}$ inch long, boiled until tender, and then served with drawn butter, in which way it is a delicious vegetable. They are also mashed and baked like parsnips and have a sweet and agreeable flavor like that of the oyster. 110 days.

Mammoth Sandwich Island. An improved type and the largest and most profitable Salsify now in cultivation. The roots are white and are satisfactory in every way. Invaluable to market gardeners and truckers.

WE PAY POSTAGE ON PKTS., OZS., $\frac{1}{4}$ LBS., AND LBS.

SALSIFY (Oyster Plant) Mammoth Sandwich Island

SPINACH. Special prices on larger quantities.

M.-S. Reselected Bloomsdale Savoy-leaved.

Dark Green Bloomsdale.

Virginia Blight-resisting Bloomsdale Savoy.

Old Dominion.

New Long-standing Bloomsdale.

New Zealand.

TOBACCO SEED

Adcock.

Bonanza.

TURNIP

M.-S. Early Champion.

Red- or Purple-Top White Globe.

Extra-Early Purple-Top Flat Strap-leaved.

Golden Neckless Purple-Top Rutabaga.

Improved Purple-Top Rutabaga.

Purple-Top Yellow Aberdeen.

White Egg.

White Milan.

Yellow or Amber Globe.

Cow Horn.

Seven-Top.

Shogoin (Japanese Salad Turnip).

VEGETABLE MARROW

Black Zucchini.

Cocozelle di Napolie.

Zucchini Caravazza.

SPINACH

Sow 1 packet of seed to 50 feet of drill; 15 to 20 pounds to an acre

CULTURE. Sow in early spring, in drills a foot apart, every 2 weeks for a succession, and, as it grows, thin out for use. For fall use, sow in August, and for winter crop in September. Cover that which is left over winter with straw or leaves after the weather becomes quite cold. Sow seed of New Zealand in hills 2 feet apart each way, 3 or 4 seeds in a hill. 45 to 55 days.

Dark Green Bloomsdale. A better and darker strain of the well-known Reselected Bloomsdale. Its darker color gives the leaves fresh appearance for a longer time after being cut than ordinary Bloomsdale.

M.-S. RESELECTED BLOOMSDALE SAVOY-LEAVED. The popular fall Spinach so largely grown for market. Grows upright, the leaves being crumpled, dark green, and very thick.

New Long-standing Bloomsdale. It is almost as early and quick-growing as the old Bloomsdale, but it will stand in marketable condition 10 to 14 days longer before going to seed. Intensely crumpled, blistered, very uniform, deep glossy green leaves.

New Zealand. Of delightful flavor and practically everbearing.

Old Dominion. A blight-resisting Long-standing Spinach for fall sowing. Well-curved dark green leaves. Plants are compact and lie close to the ground.

Virginia Blight-resisting Bloomsdale Savoy. Although of lighter color and not as heavily crumpled as Reselected Savoy, this strain is absolutely blight-proof and will succeed where the older variety blights.

TOBACCO SEED

Adcock. One of the best Tobaccos for poor land. The leaves are broad for their length and set well apart on the stalk, exposing a greater surface to the sun, resulting in a more uniform ripening and more even crop. Best adapted to light gray or sandy soils. Cures bright.

Bonanza. A broad-leaved bright Tobacco that is especially adapted to the sandy soils of Maryland and Virginia. Easy to cure and makes a rich leaf of good weight and bright color.

TURNIP

Sow 1 packet of seed to 100 feet; 2 pounds to an acre

CULTURE. For early use, sow as soon as the ground opens in spring; thin out to 6 to 9 inches in the rows. For a succession, continue to sow in July and August. The Rutabagas are grown for feeding stock and are also excellent for the table. Take up the roots in November or before severe frosts; cut off the tops within an inch of the crown; store in a cool cellar, or pit, or pile up in a conical form, outdoors, in dry ground; cover carefully with long straw and finish by earthing up, covering them with about 12 to 15 inches of earth, leaving a trench around the heap to carry off the water. Put away in this manner they will be found in good condition in the spring. 50 to 75 days.

Extra-Early Purple-Top Flat Strap-leaved.

Golden Neckless Purple-Top Rutabaga.

Improved strain without neck. Tops rather short, but good-sized root. Flesh deep yellow and fine-grained.

Improved Purple-Top Rutabaga.

M.-S. EARLY CHAMPION. Large; perfect globe shape; white as snow, with a beautiful distinct red shoulder. Tops are not over-large. Stays tender and sweet a long time.

Purple-Top Yellow Aberdeen. Medium size; round; pale yellow; tender and sugary. Hardy, productive, and keeps well. An esteemed variety for stock.

Red or Purple-Top White Globe. Globular shape; very handsome; of superior quality. Heavy producer; early; of rapid growth and an excellent keeper.

White Egg. A quick-growing, egg-shaped variety.

White Milan. Very early. Pure white; sweet and tender. Short tops, flat.

Yellow or Amber Globe. Excellent for table use or stock. Green top.

Cow Horn. A long, white, carrot-shaped Turnip which grows half out of the ground. Mostly used for feeding stock, but makes a fine table sort.

Seven-Top. Grown exclusively for its tops and when properly prepared and cooked, makes a fine dish. Withstands our winter without any protection.

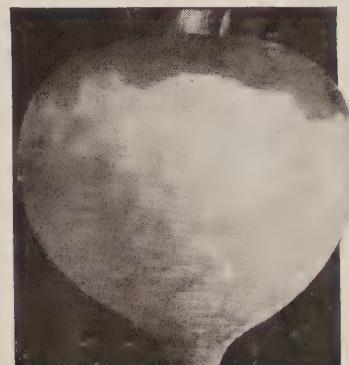
Shogoin. Japanese Salad Turnip. Resists insects and can be grown in hot weather. Makes a Turnip 2 to 3 inches in diameter.

VEGETABLE MARROW

Black Zucchini. Bush type. Fruits weigh 5 to 6 pounds, cylindrical, slightly fluted, dark black-green; flesh greenish white and of good flavor.

Zucchini Caravazza. Similar to the above, but the color is light green. Great favorite with the Italians.

Cocozelle di Napolie. Grows about 20 inches long with a diameter of 3 to 4 inches. Skin smooth, dark green, marbled yellow or pale green. Fine flavor.



M.-S. Early Champion Turnip

TOMATOES

M.-S. SURE-CROPPING

Tomato Seed sent postpaid

One ounce of seed will produce 1,500 plants; $\frac{1}{4}$ pound for transplanting an acre

CULTURE. The seed should be sown in a hotbed about the first week in March or latter part of February, in drills 5 inches apart and $\frac{1}{2}$ inch deep. When the plants are about 2 inches high they should be set into small pots, allowing a single plant to a pot. About the first of May the plants may be set out in the open ground in hills 3 to 4 feet apart each way. (Sufficient plants for a small garden may be started by sowing a few seeds in a shallow box or flower-pot and placing it in a sunny window of the room or kitchen.) Cultivate thoroughly as long as the vines will permit, but the last two or three workings of the soil should be very shallow (surface cultivation) or the crop may be badly injured, especially if the cultivator is run too near the young plants. From 90 to 120 days.



STOKESDALE TOMATOES

Bred for purity, quality, productiveness

STOKESDALE. Second early. Large. Productive. Its producing power will amaze you. Pkt. 25c; oz. 50c; $\frac{1}{4}$ lb., sealed \$1.75.

MASTER MARGLOBE. Strain 6. Large and productive. A grand stock.

VALIANT. Extra early. Extra solid. Extra large. A Stokes introduction, now in its eighth generation of single-plant selection.

Above 2 varieties: Pkt. 15c; oz. 40c; $\frac{1}{4}$ lb. \$1.50; 1 lb. \$5; 5 lbs. \$22.50

Early Varieties

Earliana. Particularly desirable for shipping and for earliest market. The fruits are smooth, round, and of fine color.

M.-S. EARLY WONDER. This is the thirteenth year that we are offering this wonderful extra-early Tomato, after several years of careful selection. The fruits are large for so early a variety, round or slightly flattened, deep scarlet-red, smooth, free from cracks, and of fine quality. It produces ripe fruit as early as Earliana and continues to yield marketable fruit for a longer period than the other first-early varieties. Vines vigorous and productive.

Pritchard or Scarlet Topper. Very promising, heavily productive, wilt-resistant introduction of superior merit for home and market garden, shipping and canning. Fruits large, globe-shaped, scarlet and well colored about the stem end; flesh firm and of fine quality. 75 days.

Second-Early Varieties

Break o'Day. One of its parents is Marglobe, which it resembles in color, shape, size, and solidity, but it is 10 to 12 days earlier.

Bonny Best. A most profitable variety for early and main crop.

John Baer. (Regular Stock.)

June Pink. (True Strain.) For gardeners who have a market for a nearly purplish pink fruit, which is produced in clusters.

Main-Crop Varieties

Beefsteak. Resembles Ponderosa in many ways, except that the fruits are a rich scarlet-red color.

Greater Baltimore. (Regular Stock.)

Indiana Greater Baltimore. An improved strain of Greater Baltimore. Fruits flat but thick, deep scarlet, medium large, solid and firm. Wilt-resistant. 83 days from setting plants to marketable fruit.

M.-S. BIG CHIEF. A grand main-crop Tomato of the very highest quality. It produces an abundance of large, handsome red fruits which ripen clean to the stem and bears heavily from the early part of July until frost. It is a very shy seeder. The meat is deliciously juicy and free from acid. It is rare to see an ill-shaped fruit on M.-S. Big Chief vines.

Market Champion. A fine large red Tomato that lives up to its name.

Marglobe. (Regular Stock.)

M.-S. Early Wonder Tomato

Marglobe. (Certified.) Vigorous plants bear a wonderful crop of uniformly globe-shaped, large deep scarlet fruits. The flesh is bright red, solid, meaty, and juicy.

New Stone. So well known that it needs no description.

Oxheart. The largest Tomato ever introduced; fruits weigh up to $1\frac{1}{2}$ pounds. Skin is purplish scarlet, smooth and evenly colored. This shape is most distinct. Extremely solid and have few seed cells.

Ponderosa. Large, solid purple Tomato, fairly smooth and very good quality. Quite free from acid.

M.-S. Rutgers. (Certified.) See page 4.

TOMATO PLANTS. See page 37.

Preserving Varieties

Golden Queen. Yellow; large and solid. Husk or Strawberry.

Peach. Very small, pink fruit with slight peach bloom on skin.

Red Cherry. Small; grows in clusters. These are recommended and largely used for Tomato cocktail, served in ice, whole with toothpick inserted.

Red Pear. Pear-shaped red.

Yellow Pear-shaped.

Yellow Plum-shaped.

Glick's Famous Tomato Seed

Glick's Seeds are grown on Glick's Farms, where disease is unknown, and entirely isolated from any commercial Tomato-growing section. It is supervised on a strictly quality basis for planters of the better class, whose success is dependent on the very best seed that can be produced.

GLICK'S IMPROVED GROTHENS GLOBE. (Pennsylvania Certified.) A second-early Tomato well adapted to green-wrap shipping. Resembles Break o'Day, and is similarly disease-resistant, but has a positive red color. Heavy producer. Fruits medium large, globular, firm, solid. Red-oxide treated. Pkt. 15c; oz. 40c; $\frac{1}{4}$ lb. \$1.35; $\frac{1}{2}$ lb. \$2.50. 1-lb. sealed canisters, \$5.00.

GLICK'S IMPROVED MARGLOBE. (Pennsylvania Certified.) Red-oxide treated. Pkt. 15c; oz. 40c; $\frac{1}{4}$ lb. \$1.35; $\frac{1}{2}$ lb. \$2.50. 1-lb. sealed canisters, \$4.50.

GLICK'S RUTGERS. (Pennsylvania Certified.) Red-oxide treated. Pkt. 15c; oz. 40c; $\frac{1}{4}$ lb. \$1.50. 1-lb. sealed canisters, \$5.00.

TOMATOES, EARLY VARIETIES	Pkt.	$\frac{1}{2}$ oz.	Oz.	$\frac{1}{4}$ lb.	Lb.
M.-S. Early Wonder.....	\$0 15	\$0 25	\$0 40	\$1 50	\$5 00
Earliana.....	10		30	1 00	3 50
Pritchard (Scarlet Topper).....	15	25	40	1 00	3 50
 TOMATOES, SECOND-EARLY VARIETIES					
Break o'Day.....	10	25	40	1 50	5 00
Bonny Best.....	10		30	1 00	3 00
John Baer.....	10		30	1 00	3 00
June Pink.....	10		40	1 25	4 50
 TOMATOES, MAIN-CROP					
Marglobe (Certified).....	10		30	1 00	3 50
Marglobe.....	10		30	1 00	2 50
M.-S. Big Chief.....	15	25	40	1 50	5 00
New Stone.....	10		20	60	2 00
Greater Baltimore.....	10		20	60	2 00
Rutgers Main-Crop (Certified).....	15		35	1 25	4 50
Market Champion.....	10		30	1 00	3 50
Ponderosa.....	10		40	1 50	5 00
Beefsteak.....	15	35	55		
Indiana Greater Baltimore.....	10		30	90	3 00
Oxheart.....	10	30	50	1 75	6 00
 TOMATOES, PRESERVING VARIETIES					
Golden Queen.....	10	25	40	1 50	
Yellow Pear-shaped.....	10	20	30	1 00	
Yellow Plum-shaped.....	10	20	30	1 00	
Red Pear.....	10	25	40		
Peach.....	10	25	40		
Husk (Strawberry).....	10	30	50		
Red Cherry.....	10	30	50		

VEGETABLE PLANTS AND ROOTS

NO PLANTS SENT C. O. D. We cannot send plants to restricted Japanese beetle zones.

All of our plants are produced from our **M.-S. Sure-Growing Seeds**, and will give wonderful results. If wanted in larger quantities, write for special quotations. The time when plants are ready is greatly controlled by the season; the specified time is the earliest date.

Artichokes

(Ready in April)

Jerusalem. Propagated by and for its tubers. Used for the table and stock-feeding. Qt. 35c, postpaid 45c; pk. \$1.50, postpaid \$1.75.

Asparagus Roots

(Ready October 15 and March 1)

Two-year-old roots usually produce second year after planting. **Mary Washington.** Dark green stalks. 2-yr. roots, 25c per doz.; \$1.25 per 100; \$8.50 per 1000. If wanted by mail, add 10c per doz.; 15c per 100; 50c per 1000.

Borecole Plants

(Ready July 1)

20c per doz.; 75c per 100. If wanted by mail, add 5c per doz.; 15c per 100

Broccoli Calabrese Plants

(Ready May 15)

25c per doz.; \$1.50 per 100. If wanted by mail, add 5c per doz.; 10c per 100

Brussels Sprouts

(Ready in July)

Matchless Improved. 25c per doz.; 75c per 100; \$6.00 per 1000. If wanted by mail, add 5c per doz.; 10c per 100.

Cabbage Plants

(Ready April 15)

Early Flat Dutch Jersey Wakefield
From hotbeds, 15c per doz.; 50c per 100; \$3.00 per 1000

Late Flat Dutch Savoy
(Ready May 15)

15c per doz.; 50c per 100; \$3.00 per 1000

If Cabbage plants are wanted by mail, add 5c per doz.; 10c per 100; 25c per 1000

"Frost-Proof" Cabbage Plants

(Ready February to May)

Early Jersey Wakefield Early Flat Dutch
Charleston Wakefield Copenhagen Market
Succession Golden Acre
Large Late

"Frost-Proof" Onion Plants

Be sure to order some when ordering "Frost-proof" Cabbage Plants, as they should be planted at the same time.

Yellow Bermuda Crystal Wax Sweet Valencia

PRICES OF "FROST-PROOF" CABBAGE and ONION PLANTS

By Parcel Post, postpaid, 50c per 100; \$1.25 for 500; \$2.25 per 1000.

By Express—Express charges collect: 1000 to 4000 plants, \$1.50 per 1000; 5000 to 9000 plants, \$1.25 per 1000; 10,000 plants and over, \$1.00 per 1000.

We will gladly mix an order of part Cabbage and part Onion plants to suit customer

Cauliflower Plants

(Ready April 15)

Snowball Variety Only. From hotbeds. 25c per doz.; \$1.50 per 100. If wanted by mail, add 5c per doz.; 10c per 100.

Celery Plants

(Ready in July)

Golden Heart Giant Pascal Winter Queen
White Plume Golden Self-blanching
25c per doz.; 75c per 100; \$6.00 per 1000. If wanted by mail, add 5c per doz.; 10c per 100

CELERY BLEACHERS. See page 24.

Eggplants (Potted)

(Ready after May 1)

M.-S. Ebony King

Black Beauty
7c each; 75c per doz.; \$5.50 per 100. Best sent by Express. If wanted by mail, add 2c to each plant

Horseradish Roots

(Ready in March)

Maliner Kren (Bohemian). Large, strong cuttings. 25c per doz.; \$1.25 per 100; \$9.00 per 1000. If wanted by mail, add 5c per doz.; 10c per 100.

Lettuce Plants

(Ready April 15)

Belvedere

Big Boston
10c per doz.; 50c per 100; \$4.00 per 1000. If wanted by mail, add 5c per doz.; 10c per 100

Iceberg

Pepper Plants

(Ready in May)

Large Sweet. Hotbed grown, 25c per doz.; \$1.50 per 100. If wanted by mail, add 5c per doz.; 10c per 100. Potted plants, 6c each; 60c per doz.; \$4.50 per 100. If wanted by mail, add 1c to each plant.

Long Red Cayenne. (Hot.) Hotbed grown, 25c per doz.; \$1.50 per 100. If wanted by mail, add 5c per doz.; 10c per 100.

Rhubarb Roots

(Ready October 15 and March 1)

Victoria. First-size roots. 10c each; \$1.00 per doz.; \$7.50 per 100. If wanted by mail, add 5c to each; 20c per doz.

Sweet Potato Plants

(Ready May 15)

Yellow Big-Stem

Up Rivers

60c per 100; \$4.00 per 1000. If wanted by mail, add 8c per 100; 25c per 1000

Tomato Plants

(Ready after April 15)

POT-GROWN PLANTS. In the following varieties only—

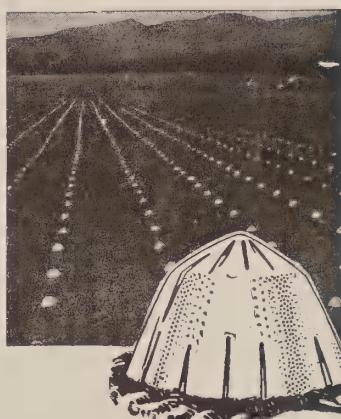
Early Wonder Bonny Best Chalk's Jewel
7c each; 75c per doz.; \$5.50 per 100. If wanted by mail, add 1c per plant

HOTBED PLANTS—

Bonny Best Marglobe Big Chief
15c per doz.; 60c per 100; \$4.00 per 1000. If wanted by mail, add 5c per doz.; 15c per 100; 40c per 1000

For Tomato Cocktail, Red Cherry. Bears in clusters, served in ice, whole, with toothpick inserted. Very delicious. 25c per doz.

Germaco Hotkaps



These can make you extra dollars this season. They protect plants from frost, wind, rain, insects, and ground-crusting. Thus they produce harder, quicker crops. You get higher prices!

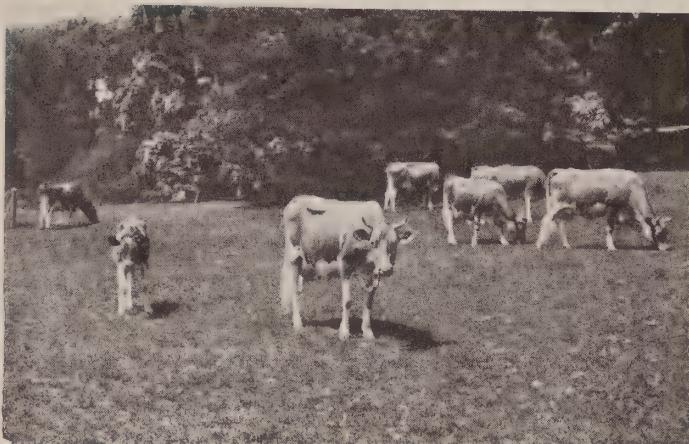
1000-lots \$10.75, postpaid
\$11.10; 5000-lots at \$10.50 per 1000; 10,000-lots at \$10.25 per 1000.

250 Trial Package, including Setter and Tamper, \$4.00, postpaid \$4.17. Steel Hotkap Setter and Tamper, \$1.50, postpaid \$1.75.

If you need Hotkaps for your backyard garden, note these prices: 100, with Garden Setter \$2.75, postpaid \$2.90. Garden Setter alone 50c, postpaid 60c. Home Garden Package, 25 Hotkaps and Setter, 50c, postpaid 60c.

M.-S. Reliable Grass, Forage and Farm Seeds

If Grasses are wanted by Parcel Post, allow for postage. Prices on Grasses subject to market changes.
Write for samples and prices in larger quantities



M.-S. Permanent Pasture Mixture makes a nutritious food for cattle

M.-S. Permanent Pasture Mixture. Either for low or upland. It is made up of grasses best calculated to afford an abundant and nutritious food supply for stock. The formulas are based upon successful experience. For all ordinary permanent pasturage, they will be found entirely satisfactory. When ordering state if for low or upland. Either: 10 lbs. \$2.50; bus. (30 lbs.) \$7.00.

Evergreen Lawn Grass. Composed of grasses and clover which make a quick, lasting lawn. Lb. 30c; 5 lbs. \$1.30; 10 lbs. \$2.50; bus. (30 lbs.) \$7.00.

M.-S. Pleasure Ground Mixture. This special mixture is made from our own formula, and will produce a permanent turf that will stand the hardest wear. Lb. 35c; 3 lbs. \$1.00; 5 lbs. \$1.60; 10 lbs. \$3.00; bus. (30 lbs.) \$8.25.

M.-S. Fairway Mixture. A mixture of grasses for fairways is to be preferred to any one grass and our Fairway Mixture will give splendid satisfaction wherever used. Lb. 35c; 3 lbs. \$1.00; 5 lbs. \$1.60; 10 lbs. \$3.00; 30 lbs. \$8.25.

Other Lawn Grass Mixtures listed on second cover page.

Poa trivialis. Shade Grass. For shady situations in parks and densely shaded lawns, this grass has no superior. It produces a firm and attractive turf where few other grasses can exist. A fine grass for dry ground under bay-windows, overlapping roofs, and shady side yards. Lb. 80c; 5 lbs. \$3.75.

Creeping Bent Grass. Especially adapted for putting-greens and wherever a velvet-like lawn is wanted. Lb. \$1.00.

Italian Rye Grass. The ideal grass to sow in the fall on crab-grass-infested lawns; it will quickly make them green.

Blue Grass, Fancy Kentucky (Poa pratensis). Our stock of this is extra fine, thoroughly recleaned. Sow 3 to 5 bushels per acre on lawn; 2½ to 3 bushels on pasture fields. 14 lbs. to bus. Lb. 35c.

Timothy (Pleum pratense). Sow ½ bushel per acre alone; with clover, 1 peck. 45 lbs. to bus. Lb. 10c.

Crested Dogtail (Cynosurus cristatus). Excellent as a pasture and lawn grass. Sow 3½ to 4 bushels per acre. 21 lbs. to bus. Lb. 50c.

Perennial Rye Grass (Lolium perenne). This makes the quickest returns in growth of any grass, is deep rooted, and is readily established. Sow 2½ bushels per acre. 20 lbs. to bus. Lb. 15c; 10 lbs. \$1.00.

Hard Fescue (Festuca duriuscula). A splendid grass for golf links, tennis courts, etc.; will resist droughts. Sow 3 bushels per acre. 12 lbs. to bus. Lb. 75c.

Red-Top Fancy Recleaned (Agrostis vulgaris). This is one of the best grasses for sowing for immediate effect. Our stock is free from chaff and is absolutely pure. Sow 40 pounds per acre. 32 lbs. to bus. Lb. 25c.

Chewing's Fescue. Recommended for sandy soil. Lb. 75c.

Meadow Fescue (Festuca pratensis). Sow 40 to 50 pounds per acre. 22 lbs. to bus. Lb. 25c.

Red, or Creeping Fescue (Festuca rubra). Very valuable for sowing on sandy soil and in shaded places and putting-greens, tennis courts, etc. Lb. 75c.

Orchard Grass (Dactylis glomerata). For early pasturing this is very desirable; also fine for sowing in shaded places. Sow 40 pounds per acre. 14 lbs. to bus. Lb. 35c.

Broom Corn (Sorghum vulgare). Succeeds in a good, deep soil, fresh but not damp; very sensitive to cold. Long brush evergreen, which is made into brooms. 50 lbs. to bus. Lb. 20c.

Kaffir Corn. Of great drought-resisting quality. Can be sown as late as July. 10 lbs. to the acre in drills. 56 lbs. to bus. Lb. 10c.

Inoculate all Clovers, Cowpeas, Vetches and Soja Beans with NITRAGIN. For particulars see page 39

Cowpeas (Vigna Catjang). Valuable in this latitude as a fodder plant. Their chief value, however, is as a green crop to plow under. The seed should not be sown till the ground has become warm. Sow 2 bushels per acre broadcast, 1 bushel in drills. We offer Black Whippoorwill, Gray, New Era, Black Eye and other leading varieties, also Mixed. Lb. 10c. Bushel price on request.

Soja Bean (Glycine hispida). Mammoth Yellow, Brown and Black, Pekin, Sable and Wilson Blacks. All thrive well in our climate. Valuable for the South. Do not make good hay, but good for ensilage or green fodder. Sow 1½ bushels per acre alone or ½ bushel Soja Beans with 1 bushel Cowpeas. Yields as high as 20 tons of green feed per acre. Lb. 10c. Quantity price on application.

Sudan Grass. A tall annual grass, growing 6 to 8 feet high when drilled, but when sown broadcast thickly does not grow quite so tall. Every farmer and stock-raiser should learn about this wonderful grass, as it is eaten by all kinds of stock and will produce more hay to the acre than any other grass that has ever been introduced. Allows three to four cuttings, and produces 2 to 5 tons per acre, depending on the soil. Can either be drilled at the rate of 2 to 3 pounds per acre in 3-foot rows or broadcast at the rate of 10 to 20 pounds per acre. Plant from March to August. Lb. 10c.

Peas, Canadian Field. Valuable for cattle-feeding, especially for milch cows. It also makes fine ensilage. It is sown broadcast in the spring and harrowed in. If sown with oats, use about 1½ bushels per acre; in drills, 2 bushels per acre. 60 lbs. to bus. Lb. 10c.

Golden Millet (Panicum miliaceum var.). An improved variety, medium early, growing 3 to 5 feet high. Heads are closely condensed, though the spikes are very numerous. Sow 40 to 50 pounds broadcast to the acre. 50 lbs. to bus. Lb. 10c.

Japanese Buckwheat. In the locality of Baltimore this is sown anywhere from June 1 to July 15; 1 bushel (48 lbs.) broadcast to the acre. Qt. 15c; pk. 75c.

Sorghum • Sugar-Cane

Ideal cattle food. Sow 1 to 2 bushels, broadcast, 25 pounds to the acre in drills. 50 lbs. to bus.

Early Amber. Grows 10 to 13 feet high. Fine for cows; either green or cured. Lb. 10c.

Early Orange. Ripens about 10 days after Early Amber, and is said to produce a larger crop. Lb. 10c.

Sunflower, Large Russian. Lb. 15c.

Vetch, Spring or Winter

Sand, Winter, or Hairy Vetch (Vicia villosa). Thrives on poor, arid, sandy soils. It may be sown either in fall or in spring, mixed with rye, for a support. Grows 3 to 4 feet high and can be cut as soon as the bloom appears and again for the seed. Perfectly hardy. Sow 50 pounds to the acre. Price variable. Lb. 15c.

Spring Vetch. Same as above, but not hardy; sow in spring only. Lb. 10c.

Rape

Dwarf Essex, English (Brassica Napus). Is excellent for sheep and hog pasture, and chicken-yards, also for soiling. It may be sown in May and will be ready for pasturing in July and August. Or it may be sown in June or July and yet furnish a large amount of pasture or fodder. In drills, sow 5 pounds to the acre; sown broadcast, 10 pounds to the acre. Lb. 25c.



Dwarf Essex Rape

Inoculation of Legumes Insures Success



Alfalfa, or Lucerne

Clover Seeds

Write for samples and prices in larger quantities.
Prices subject to market fluctuation.

Alfalfa or Lucerne (*Medicago sativa*). Requires deep, rich, well-drained soil. Roots very deeply, the tap-root descending often to a depth of 10 to 15 feet in loose soil. It is, consequently, capable of resisting great droughts. Should be sown alone (about the same time as oats are sown in this section) in thoroughly prepared, deeply plowed soil, at the rate of 20 to 25 pounds to the acre. It is also successfully sown as late as August and up to the middle of September. The crop should be cut when the plant is coming into bloom. In suitable soil it is perennial and several crops may be cut every year. Height 1 to 3 feet. We handle home- as well as foreign-grown Alfalfa. Lb. 30c.

Grimm Alfalfa. (Certified.) Lb. 35c.

Alsike, or Hybrid Clover (*Trifolium hybridum*). A perennial, 1 to 3 feet high. Grows well in our locality and can withstand severe cold. A good honey-plant for bees. Sow 15 pounds to the acre. Lb. 25c.

Japan Clover or Lespedeza. The original Lespedeza. Sow 20 pounds to the acre on your poor land to bring it into condition to produce profitable crops. Once started it smothers broom-sedge and other undesirable growths. Ten pounds Japan Clover and 8 pounds Herd's Grass will give a hay crop that may be grazed till frost. **Korean**, lb. 15c; **Kobe**, lb. 20c.

Lespedeza sericea. The perennial Lespedeza, the South's foremost legume, boasting of heavy yields on poor, acid soils. Large returns in seed and forage. Great improvement to soils. Resistant to droughts. Lb. 20c.

Red Clover (*Trifolium pratense*). One of the most valuable farm crops for pasture, hay, or for turning under for green manure. It requires a deep, rich soil and yields two hay-crops in the season. Sow at the rate of 15 pounds to the acre. Lb. 30c.

Mammoth Red or Sapling Clover. Grows larger and lasts longer than the common Red Clover. Valuable for plowing under. Sow 10 pounds to the acre. Lb. 30c.

Crimson or German Clover (*Trifolium incarnatum*). Erect annual, 1 to 2 feet high, with bright scarlet flowers. It is largely grown for improving the soil by turning under. A valuable crop for pasture or green manure. For hay it should be cut when in full bloom. Sow 20 pounds to the acre. Lb. 20c.

White or Dutch Clover. For lawns and pastures. Lb. 85c.

White Sweet Clover (*Melilotus alba*; Bokhara). Valuable sort for soiling, and for ensilage and bees. Grows from 3 to 5 feet high. Sown in rich soil, may be cut three times. Lasts for years if cut before flowering. Lb. 15c.

Leading Varieties of SEED OATS, RYE, WHEAT, BARLEY, ETC. Prices and samples furnished on application

Due to constant market fluctuations, we cannot quote any kind of Clover, Soy Beans, Cowpeas and Grass Seeds in quantities. Prices on application.



Red Clover

NITRAGIN

The Original Legume Inoculator

ALFALFA AND ALL CLOVERS.

1/2 bus.	\$0 30
1 bus.	50
2 1/2 bus.	1 00

ALL VETCHES AND PEAS.

1/2 bus.	\$0 25
1 bus.	35
1 1/3 bus.	55
5 bus.	1 50
12 1/2 bus.	3 60

ALL BEANS (Stringless Snap).

1/2 bus.	\$0 25
1 bus.	35
5 bus.	1 50

PEANUTS, COWPEAS, LIMA, VELVET, AND MUNG BEANS, KUDZU, CROTOLARIA.

2 bus.	\$0 30
5 bus.	58
25 bus.	2 60

ALL VARIETIES LESPEDEZA.

Small size inoculates 50 lbs.	\$0 45
Large size inoculates 100 lbs.	65

ALL VARIETIES SOY BEANS.

2 bus.	\$0 30
5 bus.	58
25 bus.	2 60
Garden size for Peas, Sweet Peas, Beans, Limas, and Lupines, 10c.	

Each package will inoculate up to 6 pounds of seed.

ALL POSTPAID

BECAUSE OF WAR CONDITIONS, ALL PRICES SUBJECT TO DRASTIC CHANGES

INSECT, FUNGUS AND WEED DESTROYERS

Where postpaid prices are not given, add 10c per pound and 1c for each additional pound. ALL PRICES SUBJECT TO CHANGE



CLEAN—EASY QUICK—SURE

Now available in safety traps, large-size trap 25c, postpaid 30c; garden size tube 35c, postpaid 40c; estate size 85c, postpaid 95c; 8-oz. size \$1.75, postpaid \$1.85; 5-lb. can \$9.50 postpaid \$9.65.

ANT GAS. A liquid—kills ants quickly; also effective against ground moles. 1/2 pt. 50c, postpaid 60c; pt. 85c, postpaid 95c.

ANTI-ANT. Rids houses, lawns or gardens of ants. Harmless to man or beast. 4 ozs. 40c, postpaid 45c; 1/2 lb. 65c, postpaid 73c.

ANTROL. Kills sweet- and grease-eating ants. Safe, permanent, effective.

Antrol Sets. Containing 4 containers and 1 4-oz. bottle of syrup, 60c, postpaid 70c.

Antrol Extra Containers. 10c each.

Antrol Syrup. 4-oz. bottle 20c, postpaid 25c; pt. 50c, postpaid 60c.

Ready-filled Antrol Set. Consisting of 4 ready-filled feeders, 40c, postpaid 50c.

Antrol Traps. 10c, postpaid 12c.



ARNOLD INSECTICIDE AND FERTILIZER CARTRIDGES

Arnold Cartridges for use in the Arnold Garden Hose Sprayer are made in the following solid, soluble forms. Under normal conditions each Arnold Cartridge makes the equivalent of 5 to 6 gallons of hand-mixed spray.

Arsen-O-Spray. For control of most chewing insects. 25c each.

Funguspray. For control of leaf-spot, blight, black-spot, and fruit-rot. 25c each.

Sulph-O-Spray. For control of mildew. 25c each.

Nic-O-Spray. For control of aphis, thrips, etc. 35c each.

Rot-O-Spray. For control of Mexican bean beetle, cucumber beetle, and red spider. 35c each.

Pyr-O-Spray. A non-poisonous material for control of thrips, rose chafer, squash bug, lace bug, aphis, leaf hopper. 35c each.

P-R Spray. For both sucking and chewing insects. 35c each.

Dorm-O-Spray. A miscible oil spray for control of scale during the dormant period of flowers and shrubs. 25c each.

Plant Food Spray. For plant feeding. Contains a scientifically balanced food consisting of nitrogen, phosphoric acid and potash. 25c each.

Vitamin B-1 Cartridge. 25c each. For postage, add 5c to each; 1/2 doz. lots, 10c.

ARNOLD SPRAYER. See page 50.

ARSENATE OF LEAD. Most effective for chewing insects. Lb. 30c; 4 lbs. 70c; 48 lbs. \$7.68. Postage extra.

ARSENATE OF LEAD (Oleate Coated). See Japtox, on this page—far superior.

ARSENATE OF ZINC. Lb. 35c; 4 lbs. 75c. Postage extra.

ASTOGEN. Non-poisonous. An effective control for root insects, on plant roots of asters, nasturtiums, snapdragons, and other plants. Also assists in preventing stem-rot and yellows. 2 lbs. 75c, postpaid 90c; 5 lbs. \$1.50, postpaid \$1.65; 10 lbs. \$2.75, postpaid \$2.95.

BLACK-LEAF 40. 1-oz. bottle 35c, postpaid 40c; 5 ozs. \$1.00, postpaid \$1.10; lb. \$2.25, postpaid \$2.35; 2 lbs. \$3.25, postpaid \$3.37; 5 lbs. \$5.85, postpaid \$6.00; 10 lbs. \$10.60, postpaid \$10.75.

BEETLE BAIT (Dry and Liquid). Extensively used to trap Japanese beetles. **Ellisco.** Oz. (dry) 15c, postpaid 17c; 4 ozs. 35c, postpaid 40c; lb. \$1.00, postpaid \$1.10. Oz. (liquid) 40c, postpaid 45c. 1/2 pt. \$1.25, postpaid \$1.30; pt. \$2.00, postpaid \$2.10; qt. \$3.50, postpaid \$3.65.

G and O. Oz. (dry) 10c, postpaid 12c; 2 1/4 ozs. 20c, postpaid 25c. For Traps see page 46.

BLUE STONE (Powdered). Lb. 20c; 5 lbs. 75c; 10 lbs. \$1.25; 50 lbs. \$5.00; 100 lbs. \$9.00. Postage extra.

BORDEAUX MIXTURE. For controlling fungous diseases. Lb. 30c; 4 lbs. 70c; 48 lbs. \$7.68. Postage extra.

BORER-KIL. Kills borers in their burrows. With Injector 60c, postpaid 65c.

CALCIIDE. Chewing insects. Lb. 25c; 4 lbs. 50c; 48 lbs. \$5.28. Postage extra.

CALCIUM CHLORIDE. A splendid ice-destroyer. 5 lbs. 30c; 10 lbs. 50c; 100 lbs. \$2.75.

CARBON DISULPHIDE. For weevil and other grain insects. 1-lb. can 40c; 2 1/2 lb. can 75c; 5-lb. can \$1.25. Not mailable.

CATALIZER. Takes the place of casein spreaders. This is a new form of sulphur which acts as a spreader, sticker, and piece-maker. It should be used whenever arsenate of lead is combined with Sulfoicide or Lime-Sulphur. 2 lbs. 45c, postpaid 56c; 50-lb. bag \$9.00, postpaid \$9.58.

CERESAN (New Improved). Dust disinfectant to control certain diseases carried on grain seed and narcissus. 4 ozs. 30c; lb. 75c; 5 lbs. \$3.25. Postage extra.

CHAPERONE. (Powder.) A new household dog-repellent. Keeps dogs off rugs and furniture. Also protects female dogs from male dog annoyance. Almost odorless to humans. 1/2-oz. can 25c, postpaid 27c; large can \$1.00, postpaid \$1.10. **Liquid.** For outdoor use. Rain will not wash it away. 4-oz. can 50c, postpaid 55c; 12-oz. can \$1.00, postpaid \$1.10.

COPPER LIME DUST (20-20-60 Mixture). For destroying bean beetle. Lb. 15c; 5 lbs. 50c; 100 lbs. \$7.00. Postage extra.

C. P. O.-INSECTICIDE-SOAP. Spreader for control of many insects on evergreens, fruits and vegetables. Pt. 60c, postpaid 70c; qt. \$1.00, postpaid \$1.12; gal. \$2.25, postpaid \$2.43.

CRAB GRASS KILLER (Zotox). An amazing new discovery that effectively controls crab grass in lawns without destroying permanent lawn grasses. One pound will treat 1,000 to 2,000 square feet. 8 ozs. \$1.00, postpaid \$1.10; lb. \$1.50, postpaid \$1.62; 2 lbs. \$2.50, postpaid \$2.62; 5 lbs. \$4.50, postpaid \$4.65.

CROTOX. Insures seed corn against attacks of crows and other pests. Small can, insures 1 bus., 60c, postpaid 68c. Large can, insures 2 bus., \$1.00, postpaid \$1.10.

CUPROCIDE. Protect against "damping-off." 4-oz. pkg. 35c, postpaid 40c; 1-lb. can 90c, postpaid \$1.00; 5 lbs. \$4.00, postage extra.

CYANOGAS "A." A dust for outside use in killing rats, moles, woodchucks, gophers, ground squirrels, and certain insects. 1/4 lb. 30c; 1/2 lb. 45c; lb. 75c; 5 lbs. \$3.00. Postage extra.

CYANOGAS "G" FUMIGANT. 5 lbs. \$3.00. Postage extra.

DERRIS POWDER. Rotenone, 4 per cent. Lb. \$1.00, postpaid \$1.10.

H. P. C. Sticker. Pt. 50c, postpaid 60c.

DOG SKAT. To be attached to evergreens and shrubs. Positively keeps dogs away. Small tube 15c, postpaid 20c; large tube 25c, postpaid 30c.

DOGZOFF—Dog Repellent. 3-oz. bottle (treats 50 trees) 60c, postpaid 70c; pt. can \$2.50, postpaid \$2.60; qt. can \$4.00, postpaid \$4.12.

D-X. A powerful non-poisonous spray. 1 1/2-oz. bottle 35c, postpaid 40c; 1/2 pt. can \$1.15, postpaid \$1.25; 1-pt. can \$2.00, postpaid \$2.10; 1-qt. can \$3.25, postpaid \$3.37; 1-gal. can \$8.75, postpaid \$9.00.

EVER GREEN. Non-poisonous. 1-oz. bottle 35c, postpaid 40c; 6-oz. bottle \$1.00, postpaid \$1.08; 16-oz. bottle \$2.15, postpaid \$2.25; 1-gal. tin \$12.20, postpaid \$12.40.

FISH-OIL SOAP NO. 3, LIQUID. Lb. 35c, postpaid 45c.

FISH-OIL SOAP. Lb. 35c, postpaid 42c; 5 lbs. \$1.25, postpaid \$1.38.

FORMALDEHYDE. For potato scab and mold. Pt. 50c; qt. 90c; gal. \$3.00. Not mailable.

FUMETOBAC (For burning). 25 lbs. \$4.50; 50 lbs. \$8.00; 100 lbs. \$15.00. Postage extra.

FUMOGEN. A scientific dog- and cat-repellent and insecticide. 9-oz. pkg. 50c, postpaid 60c.

FUNGTOGEN. Conquers mildew and black-spot. Endorsed by leading rosarians. 1/2 pt. 75c, postpaid 83c; pt. \$1.25, postpaid \$1.35; qt. \$2.00, postpaid \$2.12; gal. \$6.00, postpaid \$6.18.

GRAPE DUST. For mildew and blight. 5 lbs. \$1.25, postpaid \$1.40.

GRASSELLI SPREADER. A combined spreading, sticking, and wetting agent. Pt. 75c, postpaid 85c; gal. \$4.75, postpaid \$4.95.

HELLEBORE. 1/4 lb. 25c; 1/2 lb. 40c; lb. 70c; 5 lbs. \$3.00. Postage extra.

HITOX. A dependable insecticide—preferred by florists. Oz. 35c, postpaid 40c; 6 ozs. \$1.00, postpaid \$1.08; pt. \$2.25, postpaid \$2.35; qt. \$4.00, postpaid \$4.12; gal. \$10.75, postpaid \$11.00.

IRON SULPHATE. For spraying rhododendrons, azaleas, laurel, etc., for fading foliage. Use 1 ounce to 3 gallons of water. Sprinkle on plants three times during season. Lb. 10c, postpaid 20c.

JAPROTE. Japanese and Asiatic beetle-repellent. Stomach poison based on Rotenone. 1/2 lb. 50c, postpaid 58c; 2 lbs. \$1.70, postpaid \$1.81; 5 lbs. \$4.00, postpaid \$4.15.

JAPTOX. When sprayed on foliage, will control Japanese beetles. Sticks longer to foliage than other material. Lb. 50c, postpaid 60c; 2 lbs. 85c, postpaid 90c; 8-lb. cans \$3.00, postpaid \$3.17.

KAYLOX. An insecticide and fungicide very effective against all leaf-eating insects. 1/2 lb. 25c; lb. 45c; 5 lbs. \$2.10; 10 lbs. \$3.75. Postage extra.

LEMON-OIL INSECTICIDE. 1/2 pt. 30c, postpaid 38c; pt. 50c, postpaid 60c; qt. 85c, postpaid 96c; 1/2 gal. \$1.50, postpaid \$1.63; gal. \$2.50, postpaid \$2.68.

LETHANE 440. Qt. \$2.25, postpaid \$2.40; 1-gal. can \$6.25, postpaid \$6.43.

LIME-SULPHUR (Liquid). For scale insects on trees and shrubs and such fungous diseases as can be treated in winter or early spring. Qt. 40c; gal. 75c; 5 gals. \$2.50; 30 gals. \$5.50; 50 gals. \$7.50. Not mailable.

LIME-SULPHUR (Dry Powder Form). Lb. 30c; 5 lbs. \$1.25; 12 1/2 lbs. \$1.50; 100 lbs. \$11.00. Not mailable.

LORO. Kills red spider, mealy bug, thrips, midge, white fly and aphids. Pt. \$2.00, ppd. \$2.10; gal. \$10.50, ppd. \$10.68.

Test Your Soil with a Sudbury Kit

MAGNESIUM ARSENATE. Extensively used to control the Mexican bean beetle. 2 lbs. 60c. Postage extra.

MASSEY DUST. Prevents mildew and black-spot. Lb. 25c; 5 lbs. \$1.00; 10 lbs. \$1.75; 100 lbs. \$8.00. Postage extra.

METASOL. 100% active dry material. Eradicates crab grass, plantain, buck-horn, chickweed, and other weeds. 24-lb. cannister (sufficient for 2000 square feet), \$2.95; 48 lbs. \$5.75; 96 lbs. \$10.50. Postage extra.

MOLO. A preparation that will clear your lawn of moles and field-mice in a few nights. Pkt. 25c, postpaid 30c.

MOLOGEN. Eliminates moles in short time. $\frac{1}{2}$ lb. 50c, postpaid 58c; $\frac{1}{2}$ lbs. \$1.25, postpaid \$1.35; 5 lbs. \$4.00, postpaid \$4.15.

MOLE-NOTS. Protects lawns, gardens, flower-beds and golf courses from the ravages of moles, gophers, and field-mice. A 25c package will treat about 40 feet of runs. Price 25c, postpaid 30c; estate size \$1.00, postpaid \$1.10.

NAPHTHALENE FLAKES. Lb. 25c, postpaid 35c; 5 lbs. \$1.00, postpaid \$1.14.

NICO-FUME (Liquid). Lb. \$2.25; 4 lbs. \$5.75; 8 lbs. \$10.00. Postage extra.

NICO-FUME TOBACCO PAPER. Box of 24 sheets \$1.25, postpaid \$1.32; 144 sheets \$4.50, postpaid \$4.62; 288 sheets \$8.00, postpaid \$8.17.

NICO-FUME PRESSURE FUMIGATORS. $\frac{1}{2}$ lb. 45c; lb. 75c; 12 $\frac{1}{2}$ -lb. cans \$4.20; 12 1-lb. cans \$7.00. Postage extra. Holder for same 85c, postpaid 95c.

NICO-FUME POWDER. For fumigating greenhouses. 1-lb. can \$1.00, postpaid \$1.10; 5 lbs. \$3.35, postpaid \$3.50; 10 lbs. \$5.85, postpaid \$6.04.

NU-GREEN. A general fungicide for golf-greens, lawns, and other turf. 3 ozs. 35c, postpaid 40c; lb. \$1.45, postpaid \$1.55.

PARA-DICHLOROBENZENE or CRYSTAL GAS. Controls peach borers. Use 1 ounce to each tree. Lb. 40c; 5 lbs. \$1.50; 25 lbs. \$6.25; 50 lbs. \$12.00. Postage extra.

PARIS GREEN. $\frac{1}{4}$ lb. 18c; lb. 50c; 2 lbs. \$1.00; 5 lbs. \$2.25; 14-lb. kits \$5.00. Postage extra. Prices subject to change.

PESTROY. Kills chewing insects. Lb. 35c, postpaid 45c.

POMO-DUST. Prevents and cures mildew and black-spot on roses. Lb. 25c; 5 lbs. \$1.00; 10 lbs. \$1.75; 100 lbs. \$8.00. Postage extra.

POMO-GREEN. Like the above, but colored green to harmonize with the color of plants. Lb. 50c; 5 lbs. \$1.75. Postage extra.

POMO-GREEN WITH NICOTINE. Like above, but also kills sucking insects. Lb. 75c; 5 lbs. \$3.00. Postage extra.

PYROX. Kills all leaf-eating insects, and for blight and all fungous troubles. 25 lbs. \$5.00, postpaid \$5.35; 50 lbs. \$7.25; 100 lbs. \$12.50; 300 lbs. \$30.00.

PYROX WITH NICOTINE. Like the above but also kills sucking insects. 17.6-oz. jar 49c, postpaid 61c; 5 lbs. \$1.75, postpaid \$1.90; 25 lbs. \$5.65, postpaid \$6.00.

RED ARROW INSECT SPRAY. A highly concentrated pyrethrum extract containing soap. Non-poisonous. Will not injure foliage. Oz. 35c; 4 ozs. \$1.00; pt. \$2.85; qt. \$5.40; gal. \$16.00. Postage extra.

ROPCO FISH-OIL SOAP (Semi-liquid). Perfect spreader for insecticides. Gal. \$1.50, postpaid \$1.75.

ROSE-AID. Controls black-spot and mildew. 1-lb. pkg. 35c, postpaid 45c.

ROTECIDE SPRAY. Contact and stomach poison. Will not burn or in any way affect the most delicate foliage. Oz. 35c, postpaid 40c; $\frac{1}{2}$ pt. \$1.00, postpaid \$1.10; pt. \$1.75, postpaid \$1.85; qt. \$3.00, postpaid \$3.12; gal. \$8.00, postpaid \$8.25.

ROTENONE DUST. Especially recommended for Mexican bean beetle, but very effective against most insects that infest the garden. Lb. 30c, postpaid 40c; 5 lbs. 70c, postpaid 88c; 50 lbs. \$6.10.

SCALECIDE. Used for the destruction of San José scale. Spray during the winter or early spring when the trees are dormant. Qt. 65c, postpaid 75c; gal. \$1.55, postpaid \$1.80; 5 gals. \$5.50; 10 gals. \$9.50; 15 gals. \$13.25; 30 gals. \$21.00; 50 gals. \$29.00. Refund on return of 15-, 30-, 50-gal. drums.

SELOCIDE. Positively kills red spider. Gal. \$3.50, postpaid \$3.75.

SEMESAN. Prevents and controls fungous diseases, damping-off, etc. Produces sturdier plants. $\frac{1}{2}$ oz. 10c; 2 ozs. 35c; lb. \$2.25; 5 lbs. \$10.00; 25 lbs. \$46.00; 100 lbs. \$175.00. Postage extra.

SEMESAN BEL (New Improved). Dip disinfectant to control scab and rhizoctonia carried on white seed potatoes. One pound disinfects 60 to 80 bushels. 2 ozs. 25c; 4 ozs. 50c; lb. \$1.50; 5 lbs. \$6.50; 25 lbs. \$30.00; 100 lbs. \$115.00. Postage extra.

SEMESAN JR. (New Improved). For controlling certain root-rots carried by field and sweet corn; also to prevent rotting in early planting. 2 ozs. 15c; 4 ozs. 30c; lb. 75c; 5 lbs. \$3.00; 25 lbs. \$12.50; 100 lbs. \$45.00. Postage extra.

SLUG-SHOT (Powder). One of the oldest powders for destroying chewing insects. Lb. 25c, postpaid 33c; 5 lbs. \$1.00, postpaid \$1.13; 25 lbs. \$3.00, postpaid \$3.45.

SLUG-SHOT (Liquid). Liquid Slug-Shot combines rotenone and pyrethrum in the proper proportions with a spreader and a very effective fungicide. Simply dilute with water and spray. Non-poisonous to animal life, safe, and easy to use. Oz. 35c; 6 ozs. \$1.00; 16 ozs. \$2.25; qt. \$4.00; gal. \$12.00, postpaid.

SNAROL. With metaldehyde as an attractant. Quickly kills snails, cutworms, slugs, etc. $\frac{1}{2}$ -lb. pkg. 35c; 4-lb. pkg. 85c; 15-lb. pkg. \$3.00; 50-lb. bags \$8.00. Postage extra.

SODIUM CHLORATE. Used for destroying crab grass. Use 1 pound to 10 gallons water per 1000 square feet. Make three applications. Lb. 35c, postpaid 45c; 5 lbs. \$1.60, postpaid \$1.75.

SULFOCID. An efficient summer spray for the control of scab and black-rot on fruit trees. Excellent for mildew on other plants. Pt. 50c, postpaid 60c; qt. 85c, postpaid 95c; gal. \$2.25, postpaid \$2.50; 5 gals. \$7.50.

SULPHUR (Dusting). Lb. 10c, postpaid 18c; 5 lbs. 40c, postpaid 53c; 10 lbs. 75c, postpaid \$1.02; 25 lbs. \$1.50, ppd. \$1.85.

SUNOCO SPRAY OIL. Used for dormant spraying, delayed dormant spraying and summer spraying. Unequalled as a spreader and sticker. Gal. \$1.25, postpaid \$1.30; 5 gals. \$5.00; 15 gals. \$7.50; 30 gals. \$12.60; 55 gals. \$20.35.

TOBACCO DUST (Special Dusting or Fumigating). Lb. 10c, postpaid 18c; 3 lbs. 25c, postpaid 35c; 10 lbs. 60c, postpaid 78c; 20 lbs. \$1.00, postpaid \$1.26; 100 lbs. \$3.75.

TOBACCO STEMS. Lb. 5c, postpaid 12c; 50 lbs. \$1.75; 100 lbs. \$3.00.

TREE PAINT. Pt. 30c, postpaid 40c; qt. 50c, postpaid 60c; gal. \$1.50, postpaid \$1.66.

TREE TANGLEFOOT. 6 ozs. 35c, postpaid 43c; lb. 70c, postpaid 85c; 5 lbs. \$3.25, postpaid \$3.40; 10 lbs. \$6.25, ppd. \$6.45.

TRI-GEN. Triple spray treatment-fungicide, insect killer, repellent. Complete protection against plant diseases and insects. Stimulates plant growth. **Size A**, \$1.50, postpaid \$1.60. **Size B**, \$4.00, postpaid \$4.16. **Size C**, \$6.00, postpaid \$6.25. **Size D**, \$20.00.

TUBACIDE. A contact insecticide containing 65 per cent active ingredients. Qt. \$2.75, postpaid \$2.87; gal. \$9.50, postpaid \$9.75.

VOLCK, NURSERY. Recommended as a contact spray to control scale insects, mealy bugs, red spiders, rust mites, white flies, and many other insects. $\frac{1}{2}$ pt. 35c, postpaid 43c; qt. 75c, postpaid 85c; gal. \$2.00, postpaid \$2.18; 5 gals. \$1.00; 28 gals. \$25.00.

VOLCK, GARDEN. A combination spray containing nicotine, plus soap as a wetting agent. $\frac{3}{4}$ -oz. can 35c, postpaid 38c; pt. \$1.00, postpaid \$1.10; qt. \$1.50, postpaid \$1.61; gal. \$4.50, postpaid \$4.68.

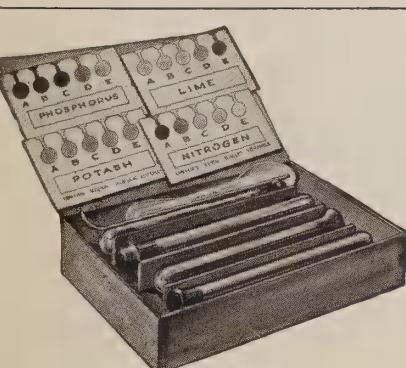
WEED KILLER (Hammond's). Destroys weeds and grass on roadways, paths, gutters, etc. One gallon makes 40 gallons of treating liquid. Qt. 50c, postpaid 60c; gal. \$1.50, postpaid \$1.70; 5 gals. \$6.25.

WEED KILLER (General Chemical Co.). Available in larger sizes only. 5 gals. \$5.00; 10 gals. \$9.00; bbl. lots (50 gals.), 80c per gal.

WEED KILLER, PARNOX. Kills dandelions, plantain, and other rosette weeds. Will not injure grass when used as directed. Lb. 30c, postpaid 40c; 5 lbs. \$1.00, postpaid \$1.15; 25 lbs. \$4.50, postpaid \$4.85; 50 lbs. \$7.50, postpaid \$8.10; 100 lbs. \$10.50.

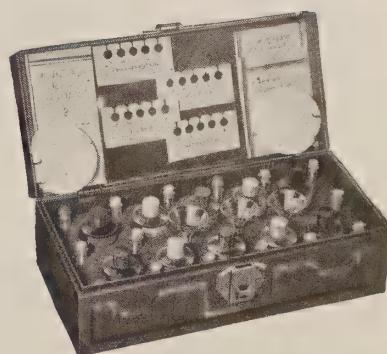
Handy gun for applying, \$1.25, postpaid \$1.35.

WEED KILLER, METASOL. See first column.



Home Garden Kit

Testing Fluid for refill. Specify whether for nitrogen, phosphorus, potash, or acidity. 2 ozs. 75c, postpaid 85c; 6 ozs. \$1.50, postpaid \$1.60.



Horticultural Kit

THE SUDBURY SOIL-TEST KIT

Used by nurserymen, growers, and greenskeepers throughout the country. Tests for nitrogen, phosphorus, potash and acidity. No technical skill required. **Model D.** Complete with instructions and table of plant needs. This Kit contains enough soil-testing solutions to make 20 individual tests. \$2.00, postpaid \$2.10. **New Club Model.** \$4.75, postpaid \$4.85.

You can make quick, practical tests which will show the acidity of your soil and any deficiency in nitrogen, phosphorus and potash. Used by leading amateur and professional growers throughout the country. The Horticultural Kit contains enough material for 60 individual tests. Complete with instructions and table of plant needs, \$9.75, postpaid \$9.90.

FERTILIZERS AND PLANT-FOODS

All prices on Fertilizers are subject to market changes; ton prices on request. Fertilizer and Plant-Foods, postage extra. For fertilizer to be sent by Parcel Post, add 8c. for 1 pound, 10c. for 2 lbs., and 1c. for every additional lb.—as 1 lb. 8c., 10 lbs. 18c.

ACID PHOSPHATE or SOUTH CAROLINA ROCK. 16 per cent. Apply 1000 pounds per acre. Used for mixing with other fertilizers to increase the phosphoric acid content. 167-lb. bag \$1.75; 100 lbs. \$1.25. 20 per cent, 167-lb. bag, \$2.00.

ADCO. Don't waste garden rubbish. Turn it into manure with Adco. Adco is a powder which, mixed with almost any non-woody vegetable waste and kept wet, gradually converts it into manure. 25 lbs. of Adco makes $\frac{1}{2}$ ton of manure. 7½-lb. pkg. 85c; 25 lbs. \$2.00; 150 lbs. \$10.50.

ALUMINUM SULPHATE. For rhododendrons and azaleas. Lb. 10c; 3 lbs. 25c; 5 lbs. 40c; 100 lbs. \$4.00.

ASPARAGUS SALT. 10 lbs. 25c; 50 lbs. \$1.00; original sack 100 lbs. \$1.50; 200 lbs. \$2.50.

BLOOD, DRIED. For indoor and outdoor culture of flowering plants, like roses, carnations, etc., its chief element being nitrogen. Fine for ferns. Lb. 10c; 3 lbs. 25c; 5 lbs. 40c; 10 lbs. 75c; 25 lbs. \$1.50; 50 lbs. \$2.50; 100 lbs. \$4.00.

BONEMEAL, STEAMED (2.47-50). A pure soft bone, splendid for building up worn-out soil, lawns, etc. Quick acting. Lb. 5c; 10 lbs. 50c; 25 lbs. \$1.00; 50 lbs. \$1.75; 100 lbs. \$2.00; 167 lbs. \$4.00.

BONEMEAL, RAW (3.7-48). Will not burn. A high-class, slow-acting fertilizer. Lb. 5c; 10 lbs. 50c; 25 lbs. \$1.00; 50 lbs. \$1.75; 100 lbs. \$2.00; 167 lbs. \$4.00.

BONE FLOUR. Finely pulverized and bolted. Effective immediately. For rose-growing this cannot be excelled. Lb. 10c; 3 lbs. 25c; 5 lbs. 40c; 10 lbs. 75c; 25 lbs. \$1.25; 50 lbs. \$2.25; 100 lbs. \$4.00.

CHEMICALS. For soil-less plant culture. See last column.

COMMERCIAL FERTILIZERS.

- (2-9-5). For potatoes and general crop. 25 lbs. 60c; 50 lbs. \$1.00; 100 lbs. \$1.75; 167-lb. bag \$2.50.
- (4-8-5). All-round, high-grade fertilizer. 5 lbs. 25c; 10 lbs. 45c; 25 lbs. 75c; 50 lbs. \$1.25; 100 lbs. \$2.00; 167-lb. bag \$2.90.
- (4-12-4). For grain crops. 167-lb. bag \$3.25.
- (6-6-5) Q Brand. An all-round high-grade organic plant-food. 167 lbs. \$3.25.

CLAY'S FERTILIZER. An English chemical fertilizer. 28 lbs. \$3.75; 56 lbs. \$6.25; 112 lbs. \$12.00.

COW MANURE, SHREDDED, Wizard Brand. For garden, lawn and greenhouse, and especially good to mix with compost. 2 lbs. 15c; 5 lbs. 30c; 10 lbs. 50c; 25 lbs. \$1.00; 50 lbs. \$1.50; 100 lbs. \$2.75; 500 lbs. \$13.00; $\frac{1}{2}$ ton \$24.00; ton \$46.00.

COTTON-SEED MEAL. Very rich in potash and ammonia. Fine for rhododendrons and azaleas. Lb. 6c; 10 lbs. 50c; 25 lbs. \$1.00; 50 lbs. \$1.75; 100 lbs. \$3.00.

ESSKAY PLANT FOOD. A complete fertilizer for lawns, shrubbery, trees, flowers and vegetables; it makes things grow. 95 per cent organic; non-burning. 2 lbs. 25c; 10 lbs. 75c; 25 lbs. \$1.50; 50 lbs. \$2.35; 100 lbs. \$3.50.

F. & I. FERTILIZER and INSECTICIDE. A ground, tobacco-base fertilizer and insecticide containing fine particles for dusting. F. & I. quickly stimulates healthy growth and protects plant-life against insect pests. Lb. 5c; 100 lbs. \$2.50.

FLORALIFE. See page 17.

GYPSUM or LAND PLASTER. Apply 1000 to 1500 pounds per acre. 10 lbs. 30c; 25 lbs. 50c; 50 lbs. 75c; 100 lbs. \$1.25; 200 lbs. \$2.00.

HEMLOCK BARK EXTRACT. Fine for rhododendron, azaleas, laurel, etc. Not a fertilizer. Lb. \$1.00, postpaid \$1.10; 4 lbs. \$3.00, postpaid \$3.15. One pound makes 25 gallons.

HYPER-HUMUS. Fine for lawns, replanting and repotting. 5 lbs. 25c; 10 lbs. 40c; 25 lbs. 75c; 100 lbs. \$1.75; 500 lbs. \$6.50; 1000 lbs. \$11.50; ton \$20.00.

KAINIT (Potash Salts). Fine for asparagus. Lb. 5c; 10 lbs. 45c; 25 lbs. 85c; 100 lbs. \$2.00.

KEMI. A highly concentrated liquid plant-food. 12-oz. bottle 25c, postpaid 35c; qt. 50c, postpaid 65c; gal. \$1.00, postpaid \$1.25; case of four 1-gals. \$3.75.

LIME, HYDRATED (Powdered). Promotes growth and gives the grass a rich color. Apply 1 ton per acre on fields, or $\frac{1}{2}$ ton on lawns. 5 lbs. 20c; 10 lbs. 30c; 50 lbs. 50c; 500 lbs. \$4.25; 1000 lbs. \$8.75; ton \$16.50.

LIMESTONE (Ground). 80-lb. bag \$1.00.

LOMA. Fine for lawns, vegetable gardens, flowers, potted plants, fruit and shade trees. Clean, odorless and easy to apply. Lb. 10c; 5 lbs. 45c; 10 lbs. 85c; 25 lbs. \$1.50; 50 lbs. \$2.50; 100 lbs. \$4.00.

M.-S. LAWN and PLANT FOOD. See inside front cover page.

MUM MANURE (Smith's). A perfect food for chrysanthemums and other flowers, under glass or in the garden. 5 lbs. 50c; 10 lbs. 90c; 25 lbs. \$1.50; 50 lbs. \$2.50; 100 lbs. \$4.00.

MURIATE OF POTASH. Analysis, equal to 50 per cent actual potash. Lb. 10c; 3 lbs. 25c; 5 lbs. 40c; 10 lbs. 75c; 100 lbs. \$3.50.

NITRATE OF SODA. Lb. 10c; 5 lbs. 30c; 10 lbs. 50c; 25 lbs. \$1.00; 100 lbs. \$2.25.

NITROPHOSKA. New air-nitrogen fertilizer. Analysis, 15-30-15. Clean as sugar. Lb. 25c; 5 lbs. 90c; 10 lbs. \$1.50; 25 lbs. \$2.75; 50 lbs. \$4.75.

ORCHID PEAT. Pk. 40c; bus. \$1.50; bbl. sack \$3.50.



PLANTABBS (Fulton's). Vitamin B-1 added. Odorless plant-food tablets. Use them for beautiful gardens and lovely house plants. 10 tablets 10c; 30 tablets 25c; 75 tablets 50c; 200 tablets \$1.00; 1000 tablets \$3.50, postpaid.

PEAT MOSS (Granulated). The ideal mulch for most flowers, plants, shrubs, trees, lawns, etc. Absolutely odorless. Keeps weeds down to minimum, makes beds look attractive. Full-size bale contains 20 to 22 bushels when loosened. Pk. 20c; bus. 50c; $\frac{1}{2}$ bale \$2.25; bale \$3.85.

SCOTCH SOOT (Imported). Used for bringing a good, healthy color into the foliage of greenhouse plants. 5 lbs. 60c, postpaid 75c; 10 lbs. \$1.00, postpaid \$1.20; 100 lbs. \$5.00.

SHEEP MANURE (Wizard Brand). 2 lbs. 15c; 5 lbs. 30c; 10 lbs. 50c; 25 lbs. 85c; 50 lbs. \$1.50; 100 lbs. \$2.50; 500 lbs. \$11.50; $\frac{1}{2}$ ton \$22.00; ton \$42.50.

SULPHATE OF AMMONIA. Lb. 10c; 5 lbs. 30c; 10 lbs. 50c; 100 lbs. \$2.75.

SULPHATE OF POTASH. Fine for roses. Lb. 10c; 3 lbs. 25c; 5 lbs. 40c; 10 lbs. 75c; 100 lbs. \$3.50.

SPHAGNUM MOSS. For packing plants and growing orchids. Pk. 50c, postpaid 59c; bus. \$1.00, postpaid \$1.12; bale (about 3 bns.) \$2.50.

TANKAGE. 6 per cent nitrogen. Lb. 10c; 5 lbs. 40c; 10 lbs. 60c; 25 lbs. \$1.25; 50 lbs. \$2.00; 100 lbs. \$3.50.

TEROGEN. Autumn-winter ground-dressing and soil-disinfectant, particularly good for roses. Lb. 75c; 2 lbs. \$1.25; 5 lbs. \$2.75; 10 lbs. \$4.75; 25 lbs. \$11.00.

TOBACCO STEMS. For fumigating, mulching and fertilizing. Lb. 5c; 25 lbs. \$1.00; 50 lbs. \$1.50; 100 lbs. \$2.50.

VIGORO. A scientifically balanced food ration, furnishing all plant-life with proper nourishment. 12 ozs. 10c; 5 lbs. 45c; 10 lbs. 85c; 25 lbs. \$1.50; 50 lbs. \$2.50; 100 lbs. \$4.00. Tablets for houseplants: Pkg. (24) 10c, postpaid 12c.

VITAMIN B-1. For further description, see page 17.

WOOD ASHES (Canadian Unleached Hardwood Ashes). High in potash. Excellent for roses, grass, etc. Apply in early spring or late fall, 1000 pounds to acre. 5 lbs. 30c; 10 lbs. 50c; 25 lbs. \$1.00; 100 lbs. \$2.50.

ROOTONE, The Hormone Powder

Roots cuttings; germinates seeds; stimulates bulbs; kills fungi; stops wilt and damping-off; increases plant-growth. 2-oz. jar \$1.00, postpaid \$1.05; 1-lb. can \$5.00, postpaid \$5.10; $\frac{1}{4}$ oz. pkt. 25c, postpaid.



HORMODIN POWDER. (In three strengths.) Simplifies rooting of cuttings. No. 1 Powder. 50c, postpaid 55c; 1-lb. tin \$3.00, postpaid \$3.10.

No. 2 Powder. 75c, postpaid 80c; 1-lb. tin \$4.50, postpaid \$4.60.

No. 3 Powder. \$1.00, postpaid \$1.05; $\frac{1}{2}$ -lb. tin \$4.50, postpaid \$4.60.

TANK CULTURE CHEMICALS. For soil-less plant culture. Boric Acid, Magnesium Sulphate, Zinc Sulphate, Copperas, Ferric Chloride, Super Phosphate, Sodium Nitrate, Manganese Sulphate, and Potassium Chloride. Each, 10c per oz., postpaid 15c.

TRANSPLANTONE. For cuttings and seedlings. 50c, postpaid 55c; \$1.00, postpaid \$1.05; 1-lb. pkg. \$4.00, postpaid \$4.10.

INDOL B. \$1.00. See page 17.

Soil-less Growth of Plants. 160 pages, 60 illustrations, 3 in color. Price, \$2.75.

ARNOLD SUB-SURFACE FEEDER. See page 50.

Attention. Special formulas mixed according to your specifications

"TWISTEMS"

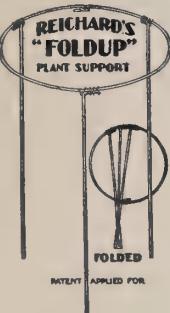
THE NEW HANDY PLANT-TIE



'Twist-ems' are dark green, strong tapes with wire reinforcing that make perfect plant-ties. For plants, vines and shrubs and arranging flowers.

8-in., box of 125.....\$0 25
4-in., box of 250.....25

"Foldup" Plant Support



Made of No. 7 galvanized wire. They do not rust and may be used for many years. Unlike other Wire Supports, these fold up, as name indicates and as illustrated. 30c each, postpaid 40c; \$3.00 per doz., postpaid \$3.25.

Timesaver Plant Support



An adjustable Support, all metal parts being galvanized. Tie end is green. Can be adjusted as to height and size of loop almost instantly and is practically hidden by the foliage of the plant it supports.

No. Doz. Postpaid
2. 3 ft....\$1 15 \$1 25
3A. 4 ft....2 20 2 35
4. 5 ft....2 75 2 95

Adjusto Plant Support

A square, sturdy hardwood stake equipped with a patented adjustable wire loop. 3-ft., \$2.10 per doz.; 4-ft., \$2.40 per doz.; 5-ft., \$2.70 per doz.; 6-ft., \$3.00 per doz. For postage, add 15c, 25c, 30c, and 40c.

Stakes without Loops. 3-ft., 90c per doz.; 4-ft., \$1.20 per doz.; 5-ft., \$1.50 per doz.; 6-ft., \$1.80 per doz. For postage, add 10c, 20c, 25c, and 35c.

Extra Wire Loops. \$1.20 per doz., postpaid \$1.30.

The Bloom Support

Stake the individual spike of flowers, such as delphinium, chrysanthemum, peonies, lilies and similar plants, that because of the weight of the flower, especially during rainy, windy weather, require additional support. The arms of the support are most adaptable; bend or slide them to any position, in any direction and they remain put.

Two sizes, complete with 4 arms each: 32-in. stake, \$1.75 per doz.; 42-in. stake, \$2.00 per doz. Additional arms, \$1.50 for 50.

Wire Plant Ties

Pkg. of 100 Ties, 30c, postpaid 35c; pkg. of 1000 Ties, \$2.25, postpaid \$2.32.

Pot and Tree Labels—All Painted

Width	100	P.P. Wt.	500	1000	P.P. Wt. Per 1000
4 x $\frac{5}{8}$ -in. pot.....	\$0 30	$\frac{1}{2}$ lb.	\$1 15	\$2 00	3 lbs.
5 x $\frac{5}{8}$ -in. pot.....	35	$\frac{1}{2}$ lb.	1 25	2 20	4 lbs.
6 x $\frac{5}{8}$ -in. pot.....	40	$\frac{3}{4}$ lb.	1 50	2 50	5 lbs.
10 x $\frac{5}{8}$ -in. pot.....	75	1 lb.	2 50	4 00	10 lbs.
12 x $\frac{5}{8}$ -in. pot.....	90	2 lbs.	3 00	5 00	12 lbs.
8 x $\frac{7}{8}$ -in. garden.....	75	2 lbs.	3 00	5 00	9 lbs.
10 x $\frac{7}{8}$ -in. garden.....	90	2 lbs.	3 50	6 00	10 lbs.
12 x $1\frac{1}{8}$ -in. garden.....	1 00	3 lbs.	4 50	8 50	12 lbs.
3 $\frac{1}{2}$ -in. copper wire tree.....	35	$\frac{1}{2}$ lb.	1 20	2 30	4 lbs.

Watermat

The Watermat supplies moisture to the bottom of the pot.

Large size, 6 in.	\$0 30	With Copper Saucer
Medium, $4\frac{1}{2}$ in.	25	Large.....\$0 50
Small size,		Medium.....40
$3\frac{1}{2}$ in.....	20	Small.....30

For Parcel Post add 5c to each

One- and Two-Eye Steel Stakes

Placed around a single plant, a group, or each side of a row, with twine strung tightly through the eyes, they make a strong support for plants and flowers. Wired in bundles of 100 pieces.

One-Eye Stake	Length	Doz.
8241. 24 in.....	\$0 35	
8361. 36 in.....	45	
8481. 48 in.....	60	

Two-Eye Stake	Length	Doz.
8362. 36 in.....	65	
8482. 48 in.....	75	

Two Eye Fence Rods. Stiff, strong, green enameled rods to support one or two rows of wire or clothesline. 85c per doz., postpaid 95c.

Twines, Raffia, Etc.

Add postage. Prices subject to change

White Cord. 3-ply, 4-ply and 6-ply, $\frac{1}{2}$ -lb. balls, lb. 30c; 10 lbs. \$2.90; 25 lbs. \$7.00.

Jute Twine. 3-ply and 2-ply, lb. 30c; 10 lbs. \$2.50; 25 lbs. \$6.00.

Binder Twine. Standard. Ball (5 lbs.) 60c. **Fodder Twine or Tarred Sisal.** Lb. 15c. Quantity prices furnished on application.

Plow Lines, Sisal. 14 yds. 50c, postpaid 60c. **Plow Lines, Cotton.** 14 yds. 75c, postpaid 85c.

Garden Line. 150 ft. of good cotton line. 50c, postpaid 55c.

Red Tape No. 17-677. For tying asparagus. 1000 yards \$1.50, postpaid \$1.60.

No. 17. The best. 1000 yards \$2.25, postpaid \$2.35.

Green Cotton Twine. Balls 10c.

RAFFIA

For tying anything in the garden. Lb. 50c, postpaid 55c. Hanks contain about $\frac{1}{2}$ lb.; 5 lbs. or more at 45c per lb.

Green Raffia. $\frac{1}{2}$ lb. 55c; lb. \$1.00. Postage extra.

GRAFTING WAX. $\frac{1}{2}$ lb. 15c; $\frac{1}{2}$ lb. 30c; lb. 50c. Postage extra.



GRAPE - PROTECTING BAGS. No. 2.

The right size for our domestic Grapes. 10c per doz.; 65c per 100, postpaid 75c; \$6.00 per 1000, postpaid \$6.25.

Green-Painted Round Plant Stakes

HEAVY

Each	Doz.	100
3-ft., heavy or dahlia.....	\$0 12	\$1 15
4-ft., heavy or dahlia.....	15	1 55
5-ft., heavy or dahlia.....	20	2 25
6-ft., heavy or dahlia.....	25	2 50

Postage extra per doz.: 3-ft., 10c; 4-ft., 12c; 5-ft., 14c; 6-ft., 17c.

LIGHT

Each	Doz.	100
1 $\frac{1}{2}$ -ft., light.....	\$0 03	\$0 25
2-ft., light.....	04	40
2 $\frac{1}{2}$ -ft., light.....	06	60
3-ft., light.....	08	75

Postage extra per doz.: 1 $\frac{1}{2}$ -ft., 7c; 2-ft., 7c; 2 $\frac{1}{2}$ -ft., 8c; 3-ft., 9c.

Bamboo Plant Stakes

Painted	Doz.	P.P.	100	Not P.P.
Green	Doz.	P.P.	100	1000
2-ft....	\$0 10	\$0 15	\$0 50	\$0 58
3-ft....	15	22	70	81
4-ft....	20	27	90	1 12
5-ft....	25	32	1 10	1 23
Not painted.				
6-ft....	30	38	1 25	1 42

Heavy Bamboo

4-ft., not painted, for dahlias. 50c per doz., postpaid 60c; \$4.00 per 100, not postpaid. 5-ft., not painted, for dahlias. 60c per doz., postpaid 70c; \$4.50 per 100, not postpaid. 6-ft., not painted, for dahlias. 75c per doz., postpaid 85c; \$5.75 per 100, not postpaid.

Hyacinth Stakes

For Hyacinths, Tulips, Etc. Dyed Green.

Doz.	100	1000
12-in.....	\$0 07	\$0 35
15-in.....	07	40
18-in.....	08	50

For postage, add 5c per doz., 10c per 100, 25c per 1000.

Galvanized Steel Stakes

Doz.	Postpaid	100	Postpaid
2-ft....	\$0 25	\$0 33	\$1 25
3-ft....	40	48	2 00
4-ft....	50	60	2 50
5-ft....	65	75	3 00

Simplex Green Weatherproof Labels



Prices, including steel stylus for marking.

No. 31. 3 x $\frac{1}{2}$ in., \$2.50 per 100, postpaid \$2.55.

Peerless Plant Marker

It is designed specially for home gardens and is very inconspicuous. The card-holder is hinged to the standard so that the card is covered and protected, but swings up to be read. \$1.20 per doz., postpaid \$1.30.

Eureka Stake Fasteners

25c per 100, postpaid 30c; \$2.00 per 1000, postpaid \$2.08.

Use Eezy Wear Garden Gloves and Save Your Hands

Earthen- ware Flower Pots

Sent by express and freight only. Packing at cost.



	Each	Doz.	100
2 in.	\$0 01 1/2	\$0 15	\$1 00
2 1/2 in.	02	20	1 45
3 in.	03	30	1 80
4 in.	04	40	2 70
5 in.	07	70	5 10
6 in.	10	100	7 50
7 in.	15	150	11 35
8 in.	23	230	16 35
9 in.	35	350	25 00
10 in.	45	450	34 50
12 in.	95	950	73 00
14 in.	1 50		
16 in.	3 00		

Bulb Pans

	Each	Doz.	100
4 in.	\$0 05	\$0 45	\$3 00
5 in.	07	75	5 25
6 in.	12	1 25	7 75
7 in.	18	2 00	15 00
8 in.	30	2 75	20 00
9 in.	40	3 75	29 00
10 in.	55	5 50	37 50
12 in.	1 00	11 00	82 50

Richmond Style



Regular Style



Regular Style Cedar Tubs

Seasoned, selected Virginia white Cedar, trimmed with specially designed metal feet, extra heavy flat steel hoops and metal handles. These tubs are painted green.

	Top In.	Bottom In.	Inside In.	Depth	Each	Lbs.
No. 8	10 1/8	9 1/8	9 1/2	9 1/2	\$2 75	9
No. 7	11 3/4	9 1/8	10	10	3 00	10
No. 6	12 7/8	10 7/8	12	12	3 40	14
No. 5	14 1/8	13 1/8	14	14	4 25	17
No. 4	16 1/2	14 1/8	16	16	4 75	24
No. 3	18 1/8	16 7/8	18	18	5 85	28
No. 2	21	18 7/8	20	20	7 15	37
No. 1	23 3/8	20 1/2	22	22	8 00	44

Handles 25c a pair extra.

Richmond Style Cedar Tubs

	As shown above	Top In.	Bottom In.	Inside Diam.	Depth	Each	Lbs.
No. 3	8	7	7 1/2	7 1/2	\$0 60	6	2 1/2
No. 5	10	9	9	9	75	3	
No. 7	12	9	11	1 05	4 1/2		
No. 9	14	11	13	1 60	7		
No. 11	16	12 1/2	15	1 90	9		

If wanted by Parcel Post, include postage.

Mir-o Ray House Numerals

Will trap any kind of light beam on the darkest nights. Numerals 4 inches high. 15c each; 2 for 25c, postpaid 30c.



Keep off the Grass.
Metal sign with stake, 35c, postpaid 45c.

Earthenware Saucers

Each	Doz.	Each	Doz.		
4 in.	\$0 04	\$0 40	9 in.	\$0 15	\$1 50
5 in.	05	50	10 in.	20	2 00
6 in.	06	60	12 in.	35	3 50
7 in.	09	90	14 in.	45	
8 in.	10	1 00	16 in.	85	

Planttrays Unbreakable Rubber Flower-Pot Saucers

With Moisture-retaining Pad.

Each Postpaid	Each Postpaid
5 in. \$0 20	\$0 25
8 in. 35	40

Extensively used for shipping plants, starting seeds and seedlings.

Bird's IMPROVED NEPONSET



Doz.	100	1000	Doz.	100	1000	Doz.	100	1000
2 in.	\$0 07	\$0 45	3 in.	\$0 15	\$0 70	5 in.	\$0 30	\$1 50
2 1/2 in.	08	50	3 1/2 in.	20	90	6 in.	40	2 00
2 1/2 in.	10	60	4 in.	25	1 15	6 in.	20	10 95

Neponset Green Flower Pots

Especially adapted for growing plants, these are made in the same form as the familiar Neponset Red Paper Pot, but the paper has been specially treated with a waterproofing saturation. This treatment gives the paper peculiar properties which are extremely desirable for growing young plants, and makes it possible to take advantage of the full growing period of young plants without retarding root-growth. Made in the following sizes:

Doz.	100	1000
2 in.	\$0 15	\$0 75
2 1/2 in.	20	80
2 1/2 in.	25	85
3 in.	30	1 00
3 1/2 in.	35	1 45
4 in.	40	1 60
5 in.	50	2 20
6 in.	60	3 25

4 in., 5 in., 6 in. (500 to case) for Parcel Post, add 25c for each 500. Dozen and 100 lots, postpaid.

Flower Pots

Dozen and 100 lots, postpaid; 1000 lots, add 25c.



Success Flower Boxes

The Success Plant Box is made of strong, galvanized iron, neatly enameled in dark green. It is so constructed that the watering is easy, the drainage ample, the air circulation perfect. Plants thrive wonderfully in these boxes. For window or porch use they are ideal, as unless excessively over-watered, there is no drip. No staining of paint or disfiguring in any way.

Length	Width	Depth	Each Postpaid
24 in.	8 1/2 in.	6 1/4 in.	\$1 25
30 in.	8 1/2 in.	6 1/4 in.	1 50
36 in.	8 1/2 in.	6 1/4 in.	2 00

Lock
Folded



Not
Glued

Waterproofed Plant Boxes

Each containing 12 BB Craft Board Pots

Your plants can be transferred to the garden in BB Craft Board Pots. Simply unlock bottom, fold flaps back, and place in the ground without disturbing the roots. Pkg. (12 boxes) 15c each, postpaid 22c; 2 for 25c, postpaid 35c.

Wooden Plant Boxes

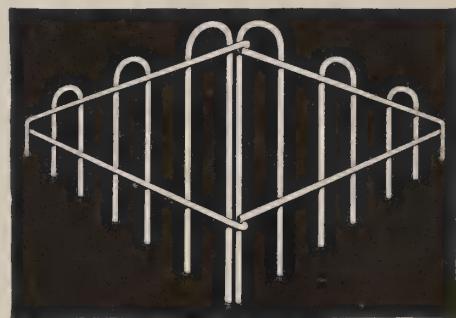
The front is removable, permitting sliding out the pots.

No. 1 Plant Box. With 36 2-in. pots. 75c each, postpaid 90c.

No. 2 Plant Box. With 16 3-in. pots. 75c each, postpaid 90c.

Kraft Board Pots. Sold separately if desired. 2-in., 85c per 100; \$7.00 per 1000. 3-in., \$1.25 per 100; \$10.00 per 1000.

Cedar Seed Flats. Light and strong. Sent knocked down only. Size 18 x 12 x 3 in. 20c each, postpaid 30c.



Ornamental Corner Guards

Used for protection of corners of lawn, around rock-gardens, flower-beds, and house borders. Built in halves and hooked together to form a rigid protection or support. Made of heavy wire. Aluminized weather-proof finish. No. 625. Each half 36 in. long and 30 in. high, tapering down to 12 in. \$1.00 per pair, postpaid \$1.20.

National GARDEN Eezy Wear Gloves

Dirtproof Washable Garden Gloves



ALL LEATHER and
DURABLE yet
SOFT AS KID and
EASY TO WEAR

—for Men and Women

Eezy Wear gives you everything you've been wanting in a Garden Glove: All-leather protection from dirt, scratches, stains, infection, yet permits almost barehand freedom. Their amazing softness and pliability is the result of a special processing of select lamb skins. They are washable and can be used the year round.

Sizes for women (small, medium, large); for men (small, medium, large). 75c per pair postpaid; 2 pairs \$1.40 postpaid.

Rubberized Gloves. See page 56.

Get Rid of Dandelions with a Weed Puller

M.-S. LAWN AND GARDEN ACCESSORIES

Mail Boxes, Regulation Sizes

No. 1. \$1.25, postpaid \$1.42.
No. 2. \$3.50, postpaid \$3.88.



Fig. 17

Asparagus Knife, No. 2500. Fig. 17. Makes a fine weeder as well. 35c, postpaid 42c.

The Sod Spiker

In nine out of ten stubborn lawns the basic fault is packed, waterproof soil. Water, fertilizer, and air have to reach the roots to do any good. Now you don't have to spade your lawn under to make it porous. The Sod Spiker loosens and cultivates the soil below the surface. At the same time it makes perforations to admit sand, peat moss, or other materials to improve texture. \$1.75, postpaid \$1.90.



Ezee Crab-Grass Forks. For quickly and easily taking out crab grass from the lawn. 25c, postpaid 33c.

Sure-Grip Weed Puller. It is the only Weeder made that will pull very small weeds without mutilating a lawn. Speedy in operation as it automatically releases the weed as soon as pulled. It will not clog. Fitted with a 38-inch handle. \$1.50, postpaid \$1.60.



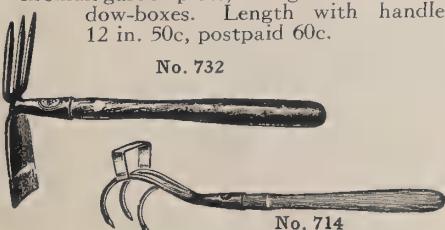
Fig. 24

Garden Fork or Weeder, No. 300. Fig. 24. 45c, postpaid 52c.

No. 8113. Stainless steel fork; 3 tines. \$2.00, postpaid \$2.10.

Gardex Midget Culti-Hoe, No. 732. Excellent for loosening soil and weeding in small garden plots, rock-gardens and window-boxes. Length with handle, 12 in. 50c, postpaid 60c.

No. 732



No. 714

Garden Midget Culti-Weeder, No. 714. Weeding blade on one side and 3-pronged cultivator on the other. 3 prongs 2 3/4 in. wide. Blade 1 1/2 in. wide. Length with handle, 16 in. 50c, ppd. 60c.

Eureka Garden Weeder. Fig. 11. 60c, postpaid 67c. Same with 2-ft. handle 65c, postpaid 73c; 4-ft. handle 75c, postpaid 88c.



Fig. 23

English Weeding Fork, No. 8125. Fig. 23. 60c, postpaid 67c. Companion to No. 8106 trowel.

No. 8106, English Trowel. 13-in. handle. 60c, postpaid 70c.

Dandelion Puller

Has a convenient long handle. Simply push tool into ground alongside the weed, give it a half turn to the right, pull it out. No stooping.

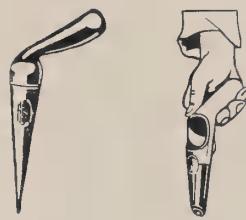
No. 130. 3-ft. handle 75c, postpaid 85c.



Fig. 13

Magic "EZ" Weeder. Fig. 13.
No. A. 15c, postpaid 22c.
No. D. Large size, 4-tined with hoe or scraper on back. 30c, postpaid 38c.
Style F. 4-prong; 3 1/2-ft. handle. 65c, postpaid 75c.

Cleveland Weed Puller. Fig. 10. Valuable for extracting weeds from the lawn. \$1.25, postpaid \$1.35.



No. 751

No. 750

Gardex Dibble and Hollow Planter. For planting bulbs and for setting out plants. They are both made of good steel and are as light as a feather. The Hollow Planter is pushed into the soil, given a quarter turn and then lifted out. This tool leaves the walls of the hole soft and loose.

Dibble, No. 751. 11 1/4 in. overall. 80c, postpaid 90c.

Hollow Planter, No. 750. Diam. of hole 1 1/2 in. 75c, postpaid 85c.

Planet Jr. Lifetime Bulb Trowel. 50c, postpaid 60c.



Fig. 10

Planet Jr. Lifetime Trowel. 50c, postpaid 60c.



Fig. 11

Transplanting Trowel, No. 217. 20c, postpaid 25c.



Steel Trowel. Drop shank. Best made. \$1.00, postpaid \$1.10.

No. 8111. Stainless steel Trowel. 6 in. \$1.80, postpaid \$1.90.

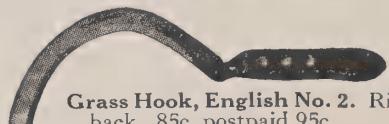


Fig. 22

No. 212. Fig. 22. One-piece Trowels. 25c, postpaid 30c.

No. 215. 6-in. Trowel. 20c, postpaid 25c.

Grass Hooks or Sickles



Grass Hook, English No. 2. Riveted back. 85c, postpaid 95c.

Grass Hook, Village Blacksmith No. 35. Best steel. 75c, postpaid 85c.
No. 40. Detachable blade 65c, postpaid 75c.

Grass Hook, German No. 2. Very durable. Good material. 60c, postpaid 70c.



Sickle, 3 1/2-foot Handle Grass and Weed. Light, strong, durable. The blade, 13 inches long, 2 1/4 inches wide at the heel, is made of crucible steel, oil-tempered. \$1.25, postpaid \$1.33.



Graswip, No. 165. Grass and weed cutter. Double edged, cuts on the forward and backward stroke. \$1.00, postpaid \$1.10.

Graswip, No. 330. Serrated blade. \$1.00, postpaid \$1.10.

Graswip, No. 70. Like No. 165, short handle. 50c, postpaid 60c.

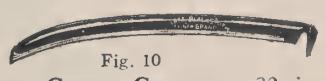


Fig. 10

Scythes, Grass, German. 32 in. long. \$2.50.

Scythes, Grass, American Make. Fig. 10. 30, 32 and 34 in. long. \$1.50.

Scythes, Weed and Bush, American Make. 18, 22, 26 and 28 in. long. \$1.60.

Scythes, Grass, English. Riveted back. 32, 34, 36 in. \$2.80.

Scythe, Austrian No. 4. 32 in. \$2.15. Postage on Scythes 15c extra.

Snaths, No. 125. Special railroad; extra-heavy construction with swing plate; has a heavy loop bolt. \$1.65, postpaid \$1.90.

No. 25. Solid plate. For grass. \$1.50, postpaid \$1.65.

Whetstones, Carborundum. 35c, postpaid 42c.

Talacre Stone. 25c, postpaid 35c.

Scythestone, Canadian. 30c, postpaid 40c.

Corn Hooks and Knives

Knife, Village Blacksmith No. 1. 50c, postpaid 60c.

Corn Hooks, American. 50c, postpaid 60c.

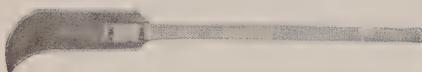
Japanese Beetle Traps Reduce This Terrible Pest

Meyers Handy Hoe

LENGTH OVERALL — 4 FEET

This narrow blade will cultivate weed spots usually neglected. 75c, postpaid 85c.

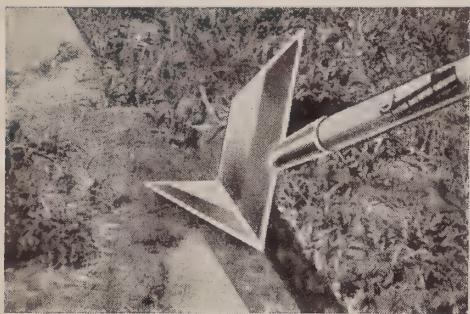
Bush and Brush Hooks



Brush Killer (Shown above). For heavy cutting. Regularly furnished with 17-inch blade and 36-inch selected second-growth hickory handle. \$2.75, postpaid \$2.90.

Giant Bush and Briar Hook. \$2.00, postpaid \$2.25.

Bush Hook, Little Giant. With cutting edge on back. \$1.50, postpaid \$1.65.



Gardex Turf Edger. You can edge from 900 to 1000 running feet of lawn in an hour with this tool. Nothing like it has ever been developed before. Designed with a wing blade it cuts horizontally as well as vertically. All you do is push it along with short, even strokes. You can govern the depth to which it cuts by simply raising or lowering the handle. It also cuts a clean V-shaped groove along sidewalks by tilting it to a 45° angle. **No. 400.** 4½-ft. handle. \$1.30, postpaid \$1.45.

Planet Jr. Edger, No. 2. Fig. 18. \$1.25, postpaid \$1.40.

True Temper Edger, No. 40F. For edging walks. \$1.15, postpaid \$1.25.

Spike Tamp



Fig. 18

Use when seeding or top dressing and to spike hard spots and pulverize clods. Saves money on seed, plant-food, and water. Assures a fine lawn. This tool is endorsed and used by the U. S. Dept. of Agriculture. \$4.50, postpaid \$4.75.

Sod Spiker. See page 45.

Best Grade Pick. \$1.00; with handle \$1.50, postpaid \$1.65.

Best Mattock. \$1.50; with handle \$2.00, postpaid \$2.25.

Mattock, Pick and Ax Handles. 50c, postpaid 61c.



Japanese Beetle Traps

Ellisco No. 0. For dry bait only. 35c, postpaid 45c. Complete Trap \$1.15, postpaid \$1.35.

No. 4. For liquid or dry bait. \$1.00, ppd. \$1.12. Complete Trap \$2, ppd. \$2.25.

Iron Stand. 30c, postpaid 45c.

Perforated Cages. Cap. 2 qts. 35c, postpaid 43c.

G & O. Trap with Bait. 70c, postpaid 80c.

Perforated Containers. 20c, postpaid 25c.

Iron Stand. 30c, ppd. 45c. Complete Trap \$1.20, ppd. \$1.40. For Bait see page 40.

Watering Cans



Long Spout Watering-Pot
(Round pattern). Equipped with 2 copper-faced roses, 1 fine, 1 coarse with each can. Made of heavy galvanized iron.

4-qt.	\$4.50	10-qt.	\$5.75
6-qt.	5.00	12-qt.	6.00
8-qt.	5.25	16-qt.	7.75



For Parcel Post, add 25c to each.

Sun Parlor Watering Pot

No. 120. Long spout. Cap. 2 qts. Enamored White, Green, or Ivory. 75c, postpaid 90c.



Hand-operated

"Little Wonder" Hedge Trimmers

Hand Models

30 in.	\$27.50
40 in.	30.00
60 in.	35.00
Side-cutting Carriage.	5.00



Electric Models

Junior. 27 in., with 15 ft. of wire.	\$55.00
Senior. 36 in., with 15 ft. of wire.	100.00
Senior. 60 in., with 15 ft. of wire.	105.00
100-ft. lengths best rubber-covered waterproof wire with handy reel.	4.50

Dumore Electric Hedge Trimmer

This Trimmer is equipped with a light but dependable motor that operates on either A.C. or D.C. current. With three feet of rubber-covered extension cord, represents a sound investment at \$29.50, postpaid \$29.75. 30 ft. rubber-covered extension cord,

fitted with separable plug. \$2.00

50 ft. rubber-covered extension cord, fitted with separable plug. 3.25

100 ft. rubber-covered extension cord, fitted with separable plug. 6.00

The above 3 postpaid

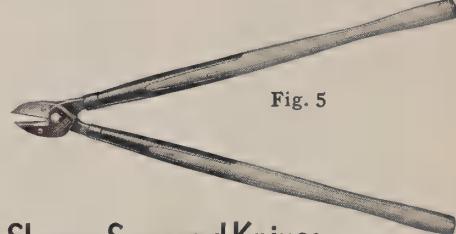


Fig. 5

Shears, Saws and Knives

No. 149 HH. Fig. 5. For trimming trees, bushes, heavy shrubbery, etc. Uses the famous snap-cut action. 27-in. handle. \$3.50.

No. 100. 20-in. handle, \$1.00.

M.-S. No. 5409½. Curved blade and hook. Forged steel. Handles 24 inch, riveted through ferrules and tang. For light work. \$1.75.

M.-S. Draw-Cut, No. 5402. For heavy work. 24-in. handle. \$3.25. Postage on Shears, 15c extra.

Pruning Knife No. 1. Wood handle. \$1.00, postpaid.

Budding Knife No. S1944W. American make. One blade; white handle. 90c, postpaid.

Budding Knife No. 7164½W. Two blades. \$1.00.

Grafting Knife No. 1354½B, Florists Favorite. \$1.00. Postage on Knives, 10c extra.



Pruning Saws. Double or single cutting edge. \$1.00, postpaid \$1.10.

No. 714. Blade can be set in any position and is removable for sharpening. \$2.50, postpaid \$2.62.

No. 514. The curved blade has long, easy cutting teeth and permits working in dense growth. \$1.25, postpaid \$1.35.

No. 32 Disston. 24-in. \$3.50, postpaid \$3.62.

No. 10 Telephone-Pole Saw. Highest grade needle-toothed, fast-cutting blade. \$2.50, postpaid \$2.62. 10-ft. handles for same, \$1.00.

Flower Scissors

F. H. 2-N. Nickel finished. Sure to hold flower after being cut. \$1.50.

F. H. 2-G. Finished in green. \$1.00.

No. 750. Fig. 8. Green enameled handle. 60c. **Wiss Grape Shear, No. C-4.** 7½ in. Ideal for cutting flowers, small fruit, and thinning grapes. \$1.25.

For Parcel Post, add 5c to each



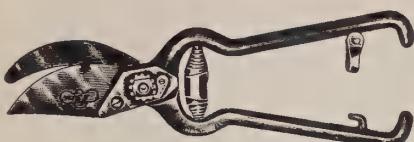
Hole-in-One Planting Tools

Especially adapted for bulb plantings.

Junior. Fig. 1. 50c, postpaid 60c.

Senior. \$4.00, ppd. \$4.25.

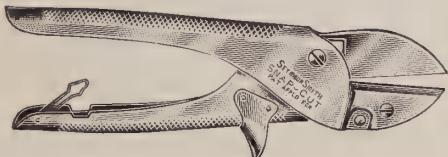
Handy Bulb Planter. Equipped with soil-ejector and 2-foot handle. \$1.00, ppd. \$1.15.



Hand Pruning Shears

Postage on Shears, 10c extra

No. 109 Wiss. Strongest Pruner made. \$3.75.
No. V 139. Similar to illustration, with adjusting nut and regulating ratchet. Steel blades of extra-quality steel. 9 in. \$1.50.
No. V 179. A good Pruner. 9 in. \$1.00.
No. 145G. Ladies' Pruner. 6 in. \$1.00.



Snap Cut Pruner, No. 119. An improved easier-cutting Pruner. \$2.00.

No. 118. Ladies' size. \$1.25.

Clipper Pruner, No. 122. Similar to above, not polished. \$1.00.

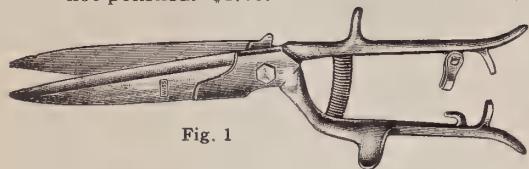


Fig. 1

No. 600. Wiss Grass Shears. Fig. 1. Best quality with offset handles. \$1.50.

No. 3. Village Blacksmith. Built like above. 75c.



Grass or Sheep Shears, No. 357. 75c.

No. V52. Same as above with offset handle. 90c.

The New Wiss-Klip Grass Shears



For resharpening loosen one nut, swing back shackle and spread blades apart.

No. 700. Length over all 12 in. \$1.25.

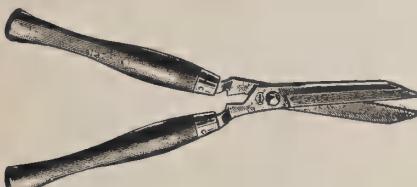
No. 800. Quick Trim. 79c.

Postage on Shears, 10c extra.

No. 1575. Long-handled Grass Shears. \$2.25.

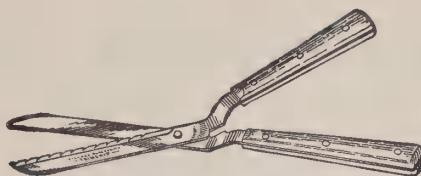
Hedge Shears

Riveted Handles and Notched



These Shears are made to meet the demand for a better-balanced, easier-cutting, and more durable hedge clipper.

6 in. \$0.90 | 9 in. \$1.50
 8 in. 1.25 | 10 in. 1.75
 12 in. 3.00



Trimsnip. The lifetime Shear. Hollow ground; blades serrated and notched. 8-in. handles, riveted. 7-in., \$1.75; 8-in. \$2.15; 9-in., \$2.25.

Ladies' Hedge Shears. 5 1/2-in. cut. \$1.00.

Lawn Shears, Imported. Two wheels; 9-in. blade; long handle for cutting on narrow borders, under fences and shrubs. \$4.25.

Postage on Shears, 10c extra

Wheelbarrows and Leaf-Rack



Leaf-Rack used on any wheelbarrow, for carrying leaves, grass, and rubbish. Holds about 10 bushels. Made extra heavy, with galvanized diamond-mesh wire, bolted to a wood base. \$7.50, not including wheelbarrow.

Wheelbarrows

No. 3. A durable, neat garden Barrow. Size of body 26 in. long, 19 in. wide in front, 22 in. wide at back. Sideboards, 27 in. long, 12 in. high; handles, 60 in. long; 2-in. tread wheel; 20-in. diameter. \$7.00.
No. 3. Equipped with pneumatic tire. \$10.50.

Boys' or Ladies' Size, No. 4. \$5.75.
Farm Size, No. 1. \$9.00.



Steel Tray Barrow No. 20. Hardwood handles. Capacity 3 cu. ft. \$3.75.

No. 14T. Same size as above but all steel construction. \$7.25. See cut.



M.-S. Water Ballast Lawn and Tennis Court Rollers

Equipped with Ball Bearings and Scraper

No. 601. Diam. 14 in., length 24 in. Weight, empty, 70 lbs.; filled with water, 175 lbs. \$10.00

No. 602. Diam. 18 in., length 24 in. Weight, empty, 85 lbs.; filled with water, 265 lbs. 11.25

No. 603. Diam. 24 in., length 24 in. Weight, empty, 110 lbs.; filled with water, 420 lbs. 14.75

No. 604. Diam. 24 in., length 32 in. Weight, empty, 130 lbs.; filled with water, 566 lbs. 16.25

Plain Bearings—No Scraper

No. 605. Diam. 14 in., length 24 in. Weight, empty, 70 lbs.; filled with water, 175 lbs. 8.50

No. 606. Diam. 18 in., length 24 in. Weight, empty, 85 lbs.; filled with water, 265 lbs. 9.75

No. 608. Diam. 24 in., length 24 in. Weight, empty, 110 lbs.; filled with water, 420 lbs. 13.50

No. 609. Diam. 24 in., length 32 in. Weight, empty, 130 lbs.; filled with water, 566 lbs. 15.00



Tree and Shrub Pruners

A new handy lightweight Pruner with unbreakable steel cutting parts attached to a strong aluminum shaft. It is ideal for pruning briery fruits, roses, and shrubs, saving the hands from scratches. With it you can cut at the ground without bending over, or pick high-growing flowers, prune fruit trees, high vines, etc. A serviceable tool that easily cuts 3/4-in. branches. Fig. 1.

No. 196. 6 ft. \$4.00, postpaid \$4.20.

No. 194. 4 ft. \$3.50, postpaid \$3.68.

TREE PRUNERS

Made of best material. Express or freight only.

No. 3, Waters Pattern.
 10-ft. handle. \$2.15
 12-ft. handle. 2.35
 14-ft. handle. 2.60
 Not mailable

Fig. 1

Telephone Tree Pruner



Fig. 2



Fig. 3. To be attached to pole. \$1.75, postpaid \$1.85.

No. 11. Fig. 2. \$2.20, postpaid \$2.30.

Fig. 3

Solid Poles, without joints. For pruners, saws, fruit-pickers, window-washers, etc. Sitka or airplane spruce, very strong and light weight. 1 1/8 in. square, 10-ft. lengths, \$1.00. Not mailable.

Pole Saws. See page 46.

Extra Blades for Snap Cut Pruners, 50c; for other Pruners, 25c, both postpaid.

GARDEN TOOLS



Fig. 23

Fig. 4

Manure and Hay Forks

Fig. 5

For Parcel Post, add 15c to each tool

No. 151.	4 diamond tines; D handle.	\$2.75
No. 157.	5 diamond tines; D handle.	4.00
No. 163.	4 oval tines; D handle.	2.75
No. 044X.	4 tines; long handle.	1.50
Hay Fork No. 036.	3 tines.	2.00
Ensilage Fork, No. 506.	6 tines.	3.00
No. 508.	8-tine.	3.25
No. 510.	10-tine.	3.50

SPADING FORKS

No. OHD.	4-tine; D handle.	Fig. 23..	1.75
No. ED 4D.	4-tine; D handle, English		2.90

HOES

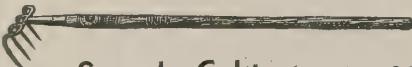
No. G 06 1/2X.	6 1/2-in. blade.	Fig. 4	1.20
No. G 07 1/2X.	7 1/2-in. blade		1.35
No. 1 PF. Weeding.	1-prong.		.85
No. 2 PF. Weeding.	2-prong.		.95
No. DE. 3H. Heavy Grubbing.	1.75		
No. 4BOL. Potato Hook or 4-Prong Hoe			1.25

SHOVELS

No. BX 111P.	Round point, long handle	2.10
No. BXLOP.	Round point, long handle	1.80
No. 3.	Long handle, square point	2.00
No. CE56.	D handle Scoop Shovel	1.75
No. CE58.	D handle Scoop Shovel	1.90
No. 6.	D handle Manure Shovel	2.00

SPADES

No. BX 232P.	Garden Spade. Long handle	2.10
No. BE 232P	Standard Garden. Fig. 5.	1.80
No. E300 Heavy Nursery.	D handle	4.25
No. 168 Turfing Sod Lifter.		2.50
No. 39 D Thistle and Dock Cutter.		1.75



Speedy Cultivator, No. SC4

Cuts in half the time of cultivating. Makes it a pleasure. \$1.10, postpaid \$1.20.

Best Grade Ax. Guaranteed article. \$2.25, postpaid \$2.40.

Best Hatchets. \$1.50, postpaid \$1.60.

Garden Tool Set

True Temper Ladies' and Children's. Fig. 9. Not toys, but tools that will do and stand the work.

Single Tools:

Shovel	95c.
Rake	65c.
Hoe	75c.
Spading Fork	\$1.00.



Fig. 9

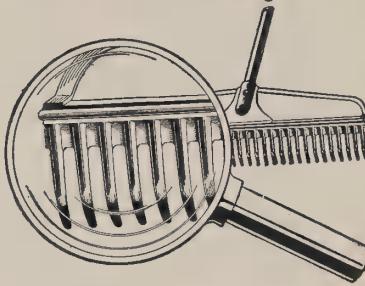
Set complete, \$3.00, postpaid \$3.20. On separate tools, add 10c each for postage.

Garden Lawn and Leaf Rakes

For Parcel Post, add 10c to each Rake

No. 403 Gardex Lawn Sweep with flat, flexible tines made of special tempered spring steel. Flexible tines do not tear up grass roots or injure lawn. Concave arched construction makes all 22 tines touch the lawn, thus utilizing full width of broom. 18 in. wide with 42-in. handle, \$1.10.

Rake Gumfinger



Rubber teeth are guaranteed for 3 years. Teeth will not clog up with dead leaves, sweep clean without uprooting grass, won't injure tender grass or shrubs, adjust themselves to irregularities of ground. Fine for getting trash on drives or lawns. Children can't injure themselves on rubber teeth. 16-in. \$1.25; 20-in. \$1.50; 24-in. \$1.75.

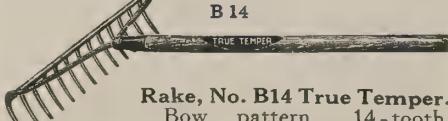
The Lawncomb



Light, strong, flexible, unequalled for cleaning lawns. 18-in. \$1.25; 24-in. \$1.65.

Crab Grass and Dandelion Rake, No. LDR. 16 in.; 26 teeth, \$1.15. No. LDRW. 24 in.; 38 teeth, \$1.25.

B 14



Rake, No. B14 True Temper. Bow pattern. 14-tooth. \$1.50.

Rake, No. 14 True Temper. Regular pattern. 14-tooth. \$1.25.

Rake, Wire Lawn. Heavily reinforced; best made. 24-tooth 90c; 46-tooth \$1.40.

Rake, Lawn, Olsen. All wood. 26-tooth. 75c.

Rake, Wood. 28-tooth; 3 wire-bow braces. 75c.

Fig. 8

True Temper Broom Rake

Fig. 8. \$1.00. Same, adjustable as to width, \$1.10.

Bamboo Metal-Grip Lawn Rake. Made to last. 18-in. 50c; 24-in. 80c; 30-in. \$1.30.

Crab Grass Rake. 15-in. \$1.15; 23-in. \$1.25.

Disston D24 Spring Rake

The best we have seen to date. Light, yet strong and durable. Impossible for teeth to drop out or handle to come off. The steel spring teeth are very flexible and made in one piece strongly reinforced. \$1.75, postpaid \$1.87.

No. D18. Just like above. 18-in. \$1.25, postpaid \$1.37.



Fig. 8

True Temper Broom

Rake. Fig. 8. \$1.00.

Same, adjustable as to width, \$1.10.

Bamboo Metal-Grip Lawn Rake. Made to last. 18-in. 50c; 24-in. 80c; 30-in. \$1.30.

Crab Grass Rake. 15-in.

\$1.15; 23-in. \$1.25.

Disston D24 Spring Rake

The best we have seen to date. Light, yet strong and durable. Impossible for teeth to drop out or handle to come off. The steel spring teeth are very flexible

and made in one piece

strongly reinforced.

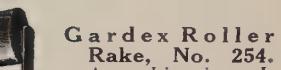
\$1.75, postpaid \$1.87.

No. D18. Just

like above. 18-

in. \$1.25, post-

paid \$1.37.



Gardex Roller Rake, No. 254.

A combination roller and Rake. The Rake covers the seeded rows. The roller part presses

the soil down to give the seeds closer contact with the soil. An especially handy tool for reseeding lawns. The roller is detachable. 10 in. wide, 10 teeth. Roller diam. 2 3/4 in. 5-ft. handle \$2.20.

Gardex Cultivator.

No. 1553.

This new, improved

GARDEX Cultivator

hoees light

and medium soils

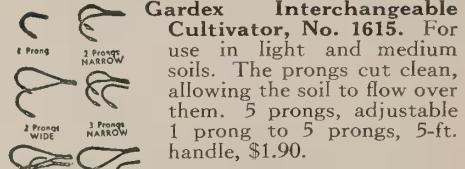
rapidly and easily,

without using

pressure on the

handle.

6-in. wide, 3 prongs; 5-ft. handle, \$1.35.



Gardex Interchangeable

Cultivator, No. 1615. For

use in light and medium

soils. The prongs cut clean,

allowing the soil to flow over

them. 5 prongs, adjustable

1 prong to 5 prongs, 5-ft.

handle, \$1.90.

Gardex Hand Plow, No. 2006.

For opening and covering furrows, hillling corn, potatoes, etc., making irrigation ditches around gardens and for bulb-planting. With one easy trip across your garden pulling the Plow behind you, you have a clean, open furrow, ready for planting. Easy to hill your plants in one-fifth of the time and without damaging the roots as is so often done with the old-style chopping hoe. 6 n. wide; 5-ft. handle \$1.75.

Gardex Scuffle Hoe, No. 4107.

This push-type Hoe is a favorite

for cutting weeds in driveways,

close to buildings

and other places

where ordinary hoes

are unsatisfactory. The blade is made of

special high-grade steel that will stand up

and stay sharp under the hardest kind of

treatment. Blade 7 in. wide; 5-ft. handle \$1.25.

For Parcel Post, add 15c on each tool



ROOT DUSTERS

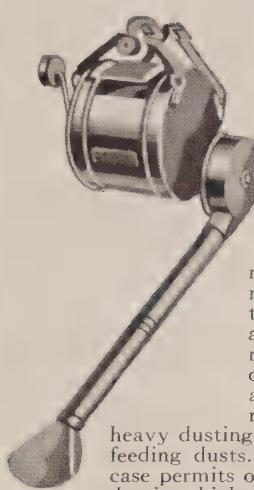


Root Traction Duster

The new Root Two-Row Duster is the most practical, efficient, and economical Duster ever built for crops on small acreage. Saves time, dust, and money. Supplies a long-felt need for a Duster to replace the slow, laborious, crank-type machine. Takes the backache out of dusting. Traction powered; extremely easy to operate; produces a strong, steady stream of dust from nozzles adjustable to plants as high as 30 inches. Feed adjustment per acre, 1 to 20 pounds. Hopper capacity, $7\frac{1}{2}$ pounds, net weight 38 pounds. Steel wheels. **Model T-3.** \$30.00. With rubber tires \$32.00.



No. 140

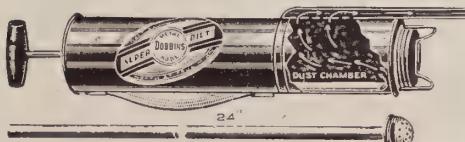


Root Challenge Duster

Provides a constant mechanical agitation with a positive regular feed and easy control to any flow desired. For most dusting it is necessary to open the feed opening only a small part of its range, but the additional capacity is available for those requiring extremely heavy dusting or with the slower-feeding dusts. The rotating fan-case permits one to walk erect for dusting high or low points; will dust in front or in the rear of the operator.

Model C 2. Capacity $7\frac{1}{2}$ pounds. Feed adjustment 4 to 25 pounds per acre. Weight 12 pounds. \$14.25, postpaid \$14.48. Flexible Y tubes for dusting two rows \$2.50, postpaid \$2.65.

No. 140. A high-grade Powder Duster, recommended for household use. 40c, postpaid 50c.



No. 132



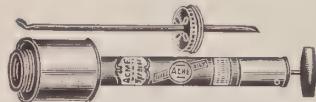
Root Dusters

Model P-1. Small, light-weight, durable garden Duster. The patented nozzle can be adjusted to dust under side of foliage as well as the top; this duster gives strong, even distribution and does not waste dust. \$1.25, postpaid \$1.34.

Model P-2 Jumbo. A big brother to Root Jr., with much more capacity. \$2.50, postpaid \$2.61.

Model P-4 Giant. A big brother to Jumbo, with much more capacity. \$4.50 postpaid, \$4.75.

Models P-6 and P-7 are new models of Plunger Dusters. Both of these machines are equipped with adjusting valves which control the dust volume. This feature is entirely new and is a great benefit to those people who wish to use expensive dusts such as Rotenone, etc., and desire to eliminate waste. P-6, \$2.75, postpaid \$2.90. P-7, smaller, \$1.50, postpaid \$1.65.



Acme No. 390. Well made. The user can stand upright and force the powder through the foliage from the ground to 7 feet. 85c, postpaid 95c.

No. 132. Assures a uniform discharge down to the last particle of dust. Furnished with 2 nozzle caps for dusting, either top or underside of leaves. Equipped with 24-inch extension. \$1.00, postpaid \$1.10.

Acme Duster No. 313. Bellows capacity $1\frac{1}{2}$ quarts. \$2.10, postpaid \$2.25.

SPRAYERS FOR ANY PURPOSE

Paragon Sprayers

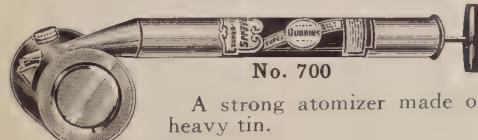
For spraying whitewash, water paint, and insecticides. No straining of materials—cleans automatically. Express or Freight only.

No. 0. Equipment furnished: 4-ft. Special Spray Hose; 3-ft. Spray Pipe; Shutoff Valve; 3 Spray Nozzles. Capacity $3\frac{1}{2}$ gallons. Complete \$12.95.

No. 1. Equipment furnished: 5-ft. Special Spray Hose; 5-ft. Spray Pipe, total reach 10 ft.; Shutoff Valve; 3 Spray Nozzles. Capacity 6 gallons. \$17.75.

No. 3. Equipment furnished: 10-ft. Special Spray Hose; $7\frac{1}{2}$ -ft. Spray Pipe, total reach $17\frac{1}{2}$ ft.; Shutoff Valve; 3 Spray Nozzles. Capacity 12 gallons. Complete with single or 2-wheel truck \$23.50; without truck \$19.50.

Single Action Sprayer



No. 700

A strong atomizer made of heavy tin.

No. 700. Quart size, 40c, postpaid 50c.

No. 710. 10-oz. size, 25c, postpaid 35c.

The New Modern CCC Spray Pump

A DOZEN DIFFERENT SPRAYERS IN ONE!



Sprays tall fruit and shade trees quickly and easily. Sprays insecticides, disinfectants, whitewash, and cold-water paints. Sprays lawns and gardens, washes windows, automobiles, etc. Wonderful for fighting fires; dependable for fighting grass, brush, and other fires. Solid brass; 3 feet of corrugated rubber hose; brass pump; double strainer; adjustable nozzle; 3 different sprays. Complete, \$6.85, postpaid \$7.00.

Dobbins' Flame Sprayer



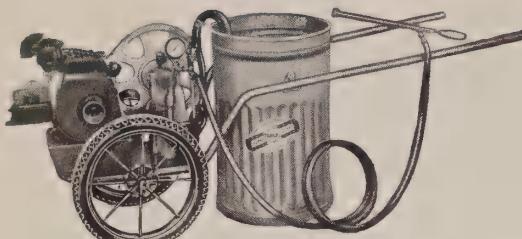
No. 210. The fuel used is kerosene, gasoline, range-oil, stove-oil or light furnace-oil. Kerosene vapor and air are combined in the burner in correct proportion for perfect combustion (94 per cent air, 6 per cent kerosene), producing a powerful, reddish blue flame, 3 inches in diameter, 30 inches long—of intense heat, 2000° F. Size of flame is easily controlled by a regulating valve. It is absolutely safe! Very economical to operate, as the average oil-consumption is only $1\frac{1}{2}$ gallons per hour. Complete, \$15.35, postpaid \$15.65.

Send for circular entitled
SPRAYING THE HOME GARDEN

Harcos Sprayer. See page 51.

Timely Spraying Insures Perfect Fruit

Wheelbarrow Sprayers



No. 3193. A portable Power Sprayer of the wheelbarrow type. Capacity 18 gallons. Fills the demand for high-pressure service. With $\frac{1}{2}$ H.P. high-speed Engine, \$75.00. With $\frac{1}{3}$ H.P. A.C. Motor, 110V. \$68.75. Rubber Tires, \$6.00 extra.

No. 3190. Has 18-gallon capacity and a 200-pound high-pressure air-tank with pressure gauge, paddle agitator, 8-foot hose, 3-foot brass extension and non-clog nozzle. For spraying orchards, field crops, gardens, and all general spraying. Shipping weight, 102 lbs. \$31.25.

No. 3170. Similar to above, less pressure tank, has 12-gallon capacity, 6 feet of hose. Shipping weight, 42 lbs. \$12.00.

Copper Continuous Sprayer

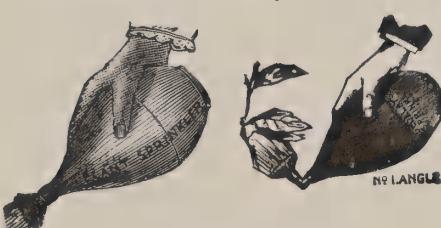


No. 728. Has seamless brass pump, solid copper tank, full quart size, and twin nozzle. \$1.95, postpaid \$2.10.



Easy to operate and gives a continuous spray. 1-qt. size. If to go by Parcel Post, add 10c to each. Tin pump and galvanized iron container, \$1.10. Brass pump and container. \$1.65.

Rubber Plant Sprinklers



No. 477, straight or **No. 478,** angle neck. 8-oz. 90c, postpaid 98c.

No. 479, straight or **No. 480,** angle. 16-oz. \$1.25, postpaid \$1.33.

Spray Bulb. 8-oz. capacity, 50c; 14-oz. capacity, 75c. Postpaid 5c extra.

High-Pressure Knapsack Sprayer

Extremely high continuous pressure. Right or left-hand operation. Capacity, 4 gallons. Weight, 15 lbs.

No. 45G. Galvanized tank. \$14.00.

No. 45B. Copper tank. \$19.25.

If to go by Parcel Post, add 20c to each.

Dobbins Superbilt Sprayers



Big Head Sprayer

The Big Head provides a large opening for filling and permits the owner to clean the tank more easily. The patented positive Quick-Action sealing device is an outstanding feature. Tank is substantially riveted with brass-tinned rivets, beaded and soldered, and is tested to many times the high operating pressure. Made of heavy galvanized steel or sheet copper. The high-pressure unit pump is equipped with a self-lubricating pressure seal-valve plunger that develops many times more air per stroke than any Sprayer pump made. Brass automatic shut-off with trigger spray lock and a chemical-proof air-valve.

All Sprayers are equipped with best-grade hose with Aphis Angle Nozzle, heavy brass extension rod, heavy wide carrying strap. Will handle all spray solutions including whitewash.

No. 44B. Big Head. Solid copper tank. Cap., 4 gals. \$10.50, postpaid \$10.70.

No. 44G. Big Head. Galvanized tank. Cap., 4 gals. \$6.35, postpaid \$6.55.

No. 12B. Fun-L-Fill. Plain copper tank. Cap., 2 gals. \$6.00, postpaid \$6.15.

No. 12G. Fun-L-Fill. Plain galvanized tank. Cap., 2 gals. \$3.65, postpaid \$3.80.

No. 23G. Sturdy, funnel-top, compressed air Sprayer. Cap., $3\frac{1}{2}$ gals. Equipped with 23-inch hose and 24-inch extension pipe. Galvanized tank. \$3.00, postpaid \$3.15.

Spray Pump Accessories



No. 136

Golden Spray Brass Nozzle. Straight. 70c.

Golden Spray Brass Angle Nozzle. 70c.

No. 129-145. Automatic Nozzle. \$1.50 complete.

No. 136. Bordeaux Nozzle. 85c.

No. 132 Straight. 2-ft. Brass Extension. 70c.

No. 134 Angle. 2-ft. Brass Extension. 70c.

No. 128. Vermorel Nozzle. All brass. 85c.

No. 147. Brass Spray Nozzle. Adjustable to any spray. \$1.00.

Bamboo Spray Rods. With Stop-cock. 8-ft., \$3.80. Can be lengthened with 2-foot brass extension No. 132. Not mailable.

Spray Hose. $\frac{3}{8}$ -in., 15c; $\frac{1}{2}$ -in., high pressure 35c per ft., postpaid.

$\frac{1}{2}$ -in. Clamps. 5c each, 50c per doz.

$\frac{1}{2}$ -in. Hose Couplings. 25c per pair.

No. 89. $\frac{1}{2}$ -in. Male Fittings. 40c.

Postage on all Nozzles and Fittings, 5c extra.

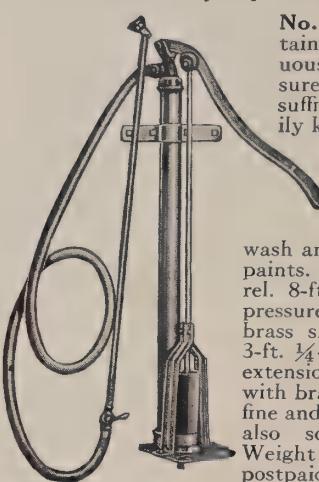
Because of ~~war~~ conditions, all prices subject to drastic changes

Myers Spray Gun



All brass, with hose swivel; 25 inches overall. Delivers a long-distance spray. For use on all power sprayers. \$8.00, postpaid \$8.25.

Barrel Spray Pump



No. 3160. Maintains a continuous high pressure of 200 lbs., sufficient to easily keep two lines of hose in operation continuously. Will spray whitewash and cold-water paints. Fits any barrel. 8-ft. $\frac{1}{2}$ -in. high-pressure hose; $\frac{1}{4}$ -in. brass shut-off cock; 3-ft. $\frac{1}{4}$ -in. iron pipe extension, equipped with brass nozzle for fine and coarse spray also solid stream. Weight 31 lbs. \$9.50, postpaid \$10.00.

No. 3175. Heavy duty. Continuous high pressure up to 300 lbs. Sufficient to maintain two hose lines in operation. \$15.00, postpaid \$15.80.

Myers General Purpose Sprayer

No. R329. Detachable hose. Brass valves. Heavy galvanized iron tank with wide bottom. Cover is removable and is secured by two thumb nuts, which hold the cover tight and prevent spilling or splashing. Holds 7 gallons. Equipped with 4-ft. extension and a Bordeaux Nozzle; also a cog gear which increases leverage one-third. \$14.00, postpaid \$14.40.



ARNOLD



GARDEN HOSE SPRAYER
FOR INSECT CONTROL



Complete with 6 cartridges, \$4.75. Sprayer only, \$3.50. 36-in. angle extension, \$1.50. 36-in. straight extension, \$1.50. Sub-surface Feeder \$1.50, postpaid \$1.60. Extra cartridges, Insecticides and Fertilizer. See page 40.

Bucket Pump No. 3120. A powerful double-acting Spray Pump. Develops 150 pounds pressure. \$4.00, postpaid \$4.15.

GARDEN HOSE, REELS, SPRINKLERS, ETC.

GOODYEAR BRAIDED GARDEN HOSE

Emerald Cord. Green. $\frac{5}{8}$ -in., 25-ft. lengths, coupled, \$5.40; 50-ft., coupled, \$10.25; 100-ft., coupled, \$19.20.

$\frac{3}{4}$ -in., 25-ft. lengths, coupled, \$6.85; 50-ft. coupled \$13.00; 100-ft., coupled, \$24.90.

Wingfoot Cord. Black. $\frac{5}{8}$ -in., 25-ft. lengths, coupled, \$3.75; 50-ft., coupled, \$7.00; 100-ft., coupled, \$13.20.

Oak Cord. Brown. $\frac{5}{8}$ -in., 25-ft. lengths, coupled, \$2.25; 50-ft. coupled, \$4.30; 100-ft., coupled, \$8.00.

Special Cord. Black. $\frac{5}{8}$ -in., 25-ft. lengths, coupled, \$1.85; 50-ft., coupled, \$3.25; 100-ft., coupled, \$6.00.



Fig. 2

Hose Reels

Victor. All steel. Capacity 75 ft. \$1.50.

No. 10 Tubular Hose Reel. Capacity 100 ft. \$4.80.

No. 20 Tubular Hose Reel. Capacity 150 ft. \$5.40.

Hose Reels not available.

The New Real Reel

The only portable Reel that can be connected to the faucet, and as much or as little hose unreeled as needed. Capacity, 125 ft. of $\frac{5}{8}$ -in. hose, 100 ft. of $\frac{3}{4}$ -in. hose. \$5.75.

6-ft. Hose Length for same 85c.

Soil-Soaker



Water seeps through entire length gently—no spray—puts water where you want it—all soaks to the roots. Made of mildew-resistant canvas; one end screws to water-hose, other end closed. No waste on walks, driveways, in street—Savings on water bills as much as 25 per cent.

Ppd.
No. 0. 12-ft. \$1.25 \$1.35
No. 1. 18-ft. 1.75 1.85
No. 2. 30-ft. 2.75 2.86
No. 3. 50-ft. 4.50 4.62

Handy Portable Hose Holder

Transforms your regular hose nozzle into a perfect lawn sprinkler. 30c, postpaid 38c.

Hose Holder Stake. 15c, postpaid 20c.

Accessories

Carter Lever Spray Nozzle. \$1.00, postpaid \$1.15.

Red Cap Coupling. Just push it on. 60c, postpaid 65c. Extra faucet end 25c, postpaid 30c.

Fan Shower Nozzle. 50c, postpaid 60c.

Flex-Neck Nozzle Holder. 85c, postpaid 95c.

Smith Brass Nozzle No. 73. Sprinkles like a watering-can. 70c, postpaid 75c.

Smith Hose Nozzle No. 81. Adjustable from mist to stream. 50c, postpaid 55c.

Boston Nozzles. Combined solid stream and spray. 85c, postpaid 90c.

Brass Twin Y. 60c, postpaid 65c.

Rapid Hose Mender. 15c, postpaid 18c.

Rapid Hose Coupler. No bands required. 25c per pair, postpaid 30c.

Hose Couplings (Brass). $\frac{1}{2}$ -in.; $\frac{5}{8}$ -in.; $\frac{3}{4}$ -in. 25c per pair, postpaid 30c.

Hose Bands. For $\frac{3}{4}$ -, $\frac{5}{8}$ - and $\frac{1}{2}$ -in. hose. 5c each, 50c per doz., postpaid 55c.

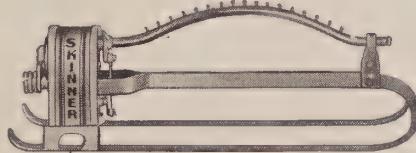
Hose Washers. 10c per doz., postpaid 12c.

Skinner Rain Wave Automatic Sprinkler



With simple, easy adjustments you can water from 10 x 60 to 60 x 60 ft. or have a stationary Sprinkler. \$35.00, postpaid \$35.25.

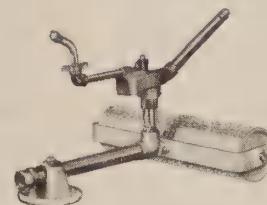
Spray Wave Sprinkler



The ideal oscillating Sprinkler. Adjustable. Will cover a plot 40 x 40 feet at 35 pounds pressure. Price, complete, \$17.50, postpaid \$17.75.

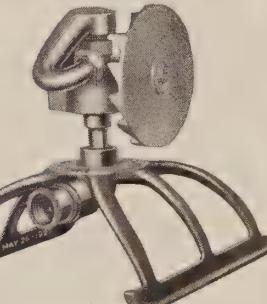
Roto Sprinkler

Will sprinkle a circle 95 feet on a pressure of 35 pounds. Adjustable for speed. on roller base, \$15.75. For postage, add 25c.



Double Rotary Sprinkler

Used by golf courses, parks, cemeteries, institutions, and large estates.



It sprinkles uniformly any circular area up to 80 feet in diameter—more than 5000 square feet—depending on pressure. Easily adjusted to cover areas down to 15 feet in diameter. A big water-saver. \$12.50.

Junior Model with adjustable nozzle. \$7.50.

Utility Sprinkler Head for Portable Irrigation



Revolving, slow-motion sprinkler driven by impact from arm actuated by nozzle stream. Durable—fool-proof.

Double Acting. $\frac{3}{4}$ -in. pipe \$7.50; 1-in. pipe, \$10.00. Postage extra.

March's Ace Sprinkler

Has brass nozzles which are completely adjustable from the finest cone spray to a long-distance stream reaching 40 feet and watering a 75-foot circle. \$1.50, postpaid \$1.62.



Fountain Sprinklers

Made of heavy brass. 85c, postpaid 95c.



Half-Circle Sprinkler. 65c, postpaid 75c.

Rain King Sprinklers

The patented double nozzles can be set to water small or large circles, long narrow strips, hard-to-reach corners. Each nozzle is a sprinkler in itself. Throws any kind of spray from a heavy drenching shower to a floating mist. Two sizes:

Model-D. Height 9 in. \$2.85.

Model-H. Height 11 in. \$3.75.

For postage add 15c to each.



A slow revolving Sprinkler for circles 12 to 100 ft. Preferred by greens keepers. Gives complete even coverage.

Model-G. Height 11 $\frac{1}{2}$ in. \$3.95.

Model-J. Height 14 in. Covers up to 140 ft. \$7.95.

For postage add 20c to each.



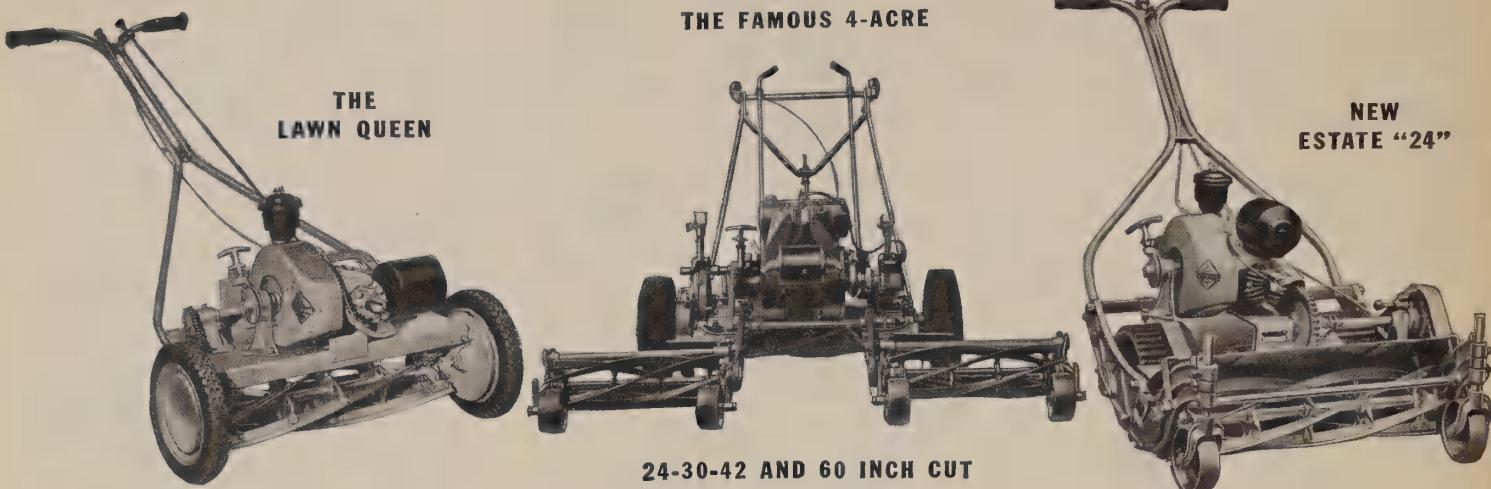
Harcos Sprayer

Easy to use. Just squeeze the handle. A wonderful little Sprayer for outside or inside spraying. Use any kind of a fruit-jar.

Complete \$1.95, postpaid \$2.05.

JACOBSEN POWER MOWERS

THE FAMOUS 4-ACRE



These power units combine easy starting, surplus power, perfect balance, and finger-tip control, giving the owner assurance of highest quality, service, and satisfaction.

Wheel Type Models

Lawn Queen.	20 in.	\$87 50
Lawn King.	24 in.	185 00
Rear Wheel Drive.	24 in.	195 00
Sturdex.	20 in.	220 00
4-Acre.	24 in.	305 00
4-Acre.	30 in.	330 00
Twin Heavy Duty.	32 in.	425 00
Sickle Bar Attachment for 4-Acre	75 00	

Roller Type Models

Estate.	20 in.	\$150 00
Estate.	24 in.	205 00
Estate.	30 in.	335 00
Putting Green.	22 in.	192 50
Auxiliary Power Unit.	20 in.	65 00
Two 20-in. Auxiliary Power Units.		125 00
Riding Sulky.	Rubber tires	35 00

Fairway, Rear-Wheel Drive Models

Three Unit.	Complete with hitch	\$425 00
Five Unit.	Complete with hitch	690 00
Motor Scythe.	48 in.	285 00

We can supply a descriptive folder for any of the Mowers listed and can advise as to the exact model for your needs.

Prices quoted are f.o.b. factory.

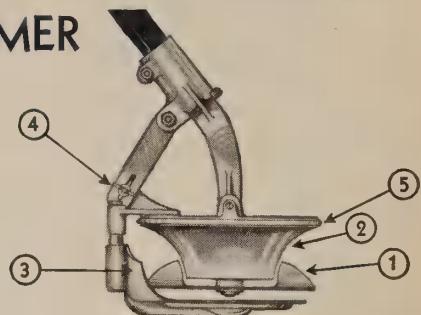


STANLEY ELECTRIC TRIMMER

Fast Trouble Free Safe

110-Volt Universal Motor. Can Be Run from AC or DC Generator. Especially Constructed for Cemetery Work

This Trimmer, built for its job, has been designed to trim grass rapidly, safely, and economically without undue fatigue to the operator—to do it eight hours a day, day after day. The Stanley trims faster than any Trimmer on the market, and cuts weeds and wet grass without clogging. All grass and other matter picked up by the cutter is thrown away from the operator. A rubber bumper prevents scratching finished surfaces. This Trimmer is easy to use. The cutter head literally floats over the lawn. Handle adjustable for height of operator. Adjustable spacing shoe determines the height of cut. The close-up of cutter head shown to the right shows (1) combination cutter and fan, that creates suction which pulls grass away from the stones or buildings; (2) bowl-shaped casting that deflects grass clippings and pebbles away from the operator; (3) rear guard that protects ankles; (4) note the easy adjustment for height of operator; (5) rubber bumper. \$67.50. Price f.o.b. factory.



THE ONAN PORTABLE ELECTRIC GENERATOR

This compact unit, built entirely of aluminum, is ideally suited for portable work, to supply 110-volt DC or AC-current. We list two sizes: **Model 68 Onan Generator.** 600-watt; two outlets. \$130.00. **Model 358.** 350-watt; one outlet. \$99.00. **Two-wheel Pneumatic-tired Dolly.** Used for mounting the plant, for portable operation. \$12.50. Prices f.o.b. factory.

Weed Cutter

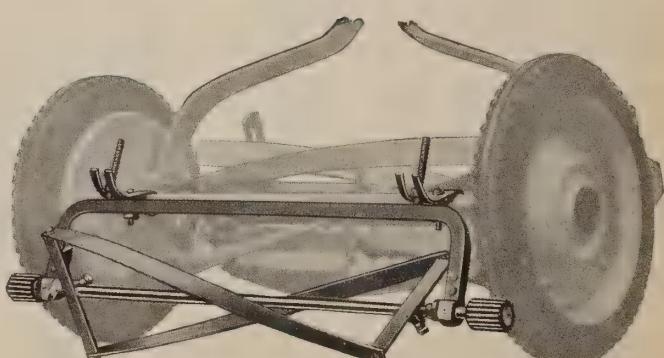
An attachment for Jacobsen Hand and Power Mowers. Note from the illustration how the mower wheels spin the weed cutter, whipping off weeds to a height where the mower reel gets them. The Weed Cutter is available for

Johnston 16 and 18-in. Steel Hand Mowers	\$7 50
Jacobsen 20-in. Lawn Queen Power Mowers	10 00
Jacobsen 24-in. Lawn King Power Mowers	15 00

MacMillan Ring-Free Motor Oil

Greater film strength, higher heat resistance, longer cling to metal, faster penetration. Removes carbon and is not corrosive. Qt. 35c, postpaid 45c; 5 qts. \$1.75, postpaid \$1.95; 5 gals. \$7.00.

SERVICE DEPARTMENT. Our Service Department is thoroughly equipped with the most modern machinery to give prompt and efficient service by our skilled mechanics. We repair, sharpen, or adjust any model Power or Hand Mower. All work called for and delivered. Get our estimates on your requirements.



Weed Cutter Attachment

M.-S. RELIABLE LAWN MOWERS, ETC.

Our Mowers Must Give Results

The Johnston Mower



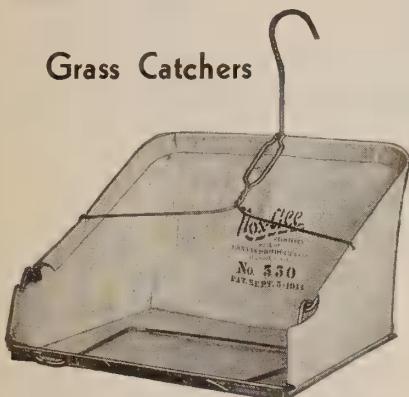
Pressed steel construction, not cast-iron or cast steel. Light in weight. All wearing parts hardened. Five blades

A six-year-old boy can run it

The rigid steel cutter bar with its rigid die steel knife will not give under cutting pressure like a less rigid bar with a spring steel knife. The grass cannot wedge between, so it is not necessary to back up and get a new start every few feet. Johnston pressed steel Lawn Mowers are more expensive to make because of the quality and accuracy built into them, the very properties which make them efficient, long-wearing, and easy-running Mowers, yet they cost no more than good cast Mowers. Especially recommended for estates, golf courses and cemeteries. Equipped with solid cushion rubber tires.

16-in. cut. 5 blades \$18.50
18-in. cut. 5 blades 19.25

Grass Catchers



Easy-Emptying. Designed to fit any size or style of Mower. Made of strong canvas and galvanized iron bottom.

No. 550H. 12 to 16-in., 90c, postpaid \$1.00
No. 560. 16 to 20-in., \$1.00, postpaid \$1.15

Economy. A good make, but lighter than the Easy. Construction similar. Fits any mower from 12 to 16-in.

No. 1508H. 75c, postpaid 85c.

THE ALLCUT

Cuts like a sickle, from the ground up; cuts all weed-stalks left by other mowers. Its free-spinning, ball-bearing reel cuts by two flexible, highly tempered, steel blades which are reversible and which strike the stalks near the ground and cut upward. 16-in. cut, \$19.50.

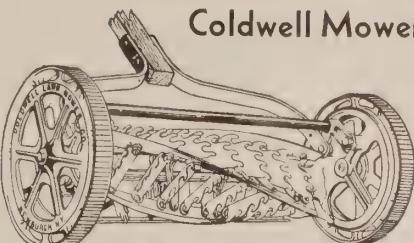
Gates Snap-On Tires

Can be used on most hand lawn mowers having 8-in., 9-in., or 10-in. wheels. 75c per pair, postpaid 85c. State size of wheel when ordering.

Household Lubricant

A splendid oil for lawn mowers. Can 25c, postpaid 30c.

Coldwell Mowers



MOKLEEN CHIEF

A first-quality Lawn Mower with a simple device designed to draw weeds into a position to be cut by the revolving knives. This insures the cutting of weeds and other high grasses not readily cut with the average hand mower. A weed-cutter and Lawn Mower in one machine at no higher price than a standard quality Lawn Mower. Equipped with 10-in. wheels; 4 blades; ball-bearing. 16-in. \$9.00.

COLDWELL'S AMBASSADOR

A high-grade ball-bearing Mower at a medium price. Light and easy to handle. Has large, revolving cutter and high frequency. 10-in. drive wheel; 5 blades; excellent finish.

14-in. cut.....	\$14.50
16-in. cut.....	16.00
18-in. cut.....	17.50

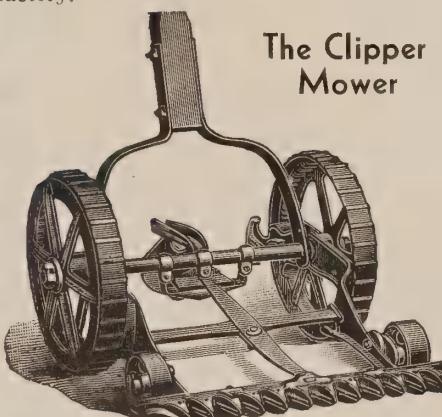
COLDWELL'S TRIMMER

For trimming and edging walks, etc. 8-in. cut, \$9.70.

COLDWELL'S IMPROVED HORSE LAWN MOWER

All steel; complete with shaft, seat, and side draft, rods and tools. \$175.00, f.o.b. factory.

The Clipper Mower



The Mower that is worth its weight in gold to the one who has a lawn with buck plantain, summer grass, dandelions and crab grass in it. The Clipper will cut them.

No. 1. 12-in. \$10.50	No. 3. 18-in. \$13.00
No. 2. 15-in. 12.00	No. 4. 21-in. 15.50

LAWN-MOWER REPAIRING— HAND AND POWER

We have an up-to-date shop equipped with all of the latest machinery and superintended by experts enabling us to take care of repair jobs of any kind on either hand or power Lawn Mowers. We will call for and deliver work on short notice.

M.-S. Lawn Mower Sharpener

Will give a uniform bevel, the Sharpener following the twist of the knife. 50c, postpaid 55c. Extra files 25c, postpaid 30c.

Pennsylvania Mowers



PENNSYLVANIA JR. HIGH WHEEL MOWERS

Five blades, crucible steel, oil-hardened and tempered, extra wide. Raised edge bottom blade. Self-aligning ball bearings, hardened steel cup and cones, screw adjustment with positive lock. Three machine-cut gears on both sides, in dirt-proof housings. Two steel pawls in each wheel. 10-in. wheel. 15-in. cut.... \$20.95 | 19-in. cut.... \$24.85
17-in. cut.... 22.95 | 21-in. cut.... 26.85

GRASSMASTER MOWERS

Ball-bearing; 8-in. wheels; 4 blades; automatic spring adjustment on cones; spring-steel lower blade.

12-in. cut.... \$5.75	14-in. cut.... \$6.00
-----------------------	-----------------------

BLUE DIAMOND MOWERS

Ball-bearing; 10-in. wheel; 5 blades; automatic spring adjustment on cones; spring-steel lower blade.

14-in. cut.... \$8.25	18-in. cut.... \$9.00
16-in. cut.... 8.50	

PENNSYLVANIA BALL-BEARING TRIMMER AND EDGER

Is a very high-class tool for trimming and edging along walks, walls or flower-beds, where the regular lawn mower cannot be used successfully. 8-in. solid wheel on right side only. 6-in. cut, only \$10.00.

Pennsylvania Lawn Sweeper



Lawn and Putting-Green Cleaner

The flexible rake bars are of wood, with steel springs and teeth. They rotate like a lawn-mower cylinder and clean up every particle of leaves, litter, or rubbish, throwing it into a large-capacity receptacle or bag in the rear.

Price, 24-in. Rake, or Sweeper, \$35.00.

Please specify when ordering if wanted for lawns or putting-greens.

SWEEPING BRUSHES. Can be readily attached to the Rake for sweeping lawns, putting-greens, paths, etc. Price per set of three, 24-in., \$9.00.



Rustic Bird-Houses and Feeders

Wren Houses. No. 35, 50c; No. 30, \$1.00; No. 6, \$1.50; No. 1, \$1.85; No. 2, \$2.00.

Bluebird Houses. No. 36, 75c; No. 81, \$1.00; No. 7, \$2.00; No. 4, \$2.50; No. 24, \$5.00.

Robin Shelter. No. 3, \$1.85.

Chickadee House. No. N8. \$2.50.

Martin Houses. Any size, \$1.00 per compartment.

Suet Feeder and Robin Shelter No. 21. \$1.00.

Seed Feeders. No. 104, \$2.00. No. 116, 85c.

Window Feeders. No. 12. For attaching to sill. \$1.50, postpaid \$1.65.

Weathervane Feeders. No. 106, \$3.85; No. 107, \$5.00; with glass sides, \$5.50.

Combination Shelter and Feeder No. 110. \$2.25.

Wild Bird Seeds. All seeds, no waste. Lb. 12c. Postage extra.

Suet Cakes. 30c each; 4 for \$1.00, postpaid 5c each extra.

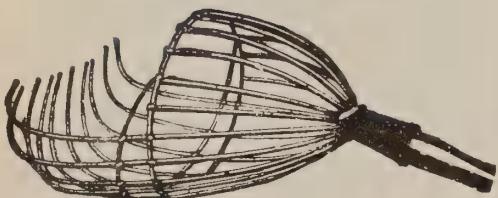
For Parcel Post add 10c to each, except Martin Houses and Weathervane Feeders, sent by express only. Send for circular of complete line.

Shrubbery Protector

TO KEEP DOGS AWAY

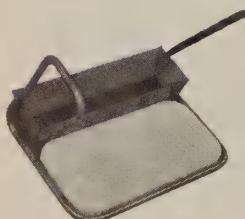
Each Protector has 3 prongs spread out to protect 2½ lineal feet of shrubbery; inconspicuous and inexpensive. 20c each; \$1.95 per doz., postpaid \$2.05.

Fruit Picker



The best fruit is always out of reach. As a Fruit Picker it has no superior. It is made of heavy wire and easily adjusted to a pole. 60c, postpaid 70c.

The Gardenade



The Gardenade combines a kneeling pad and a convenient rack for your garden tools.

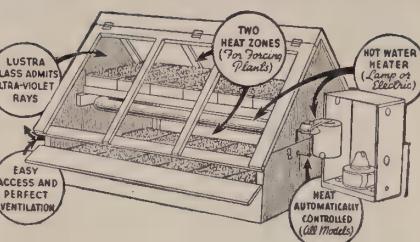
The upright handles are designed to enable you to lower yourself and lift yourself with a minimum of effort.

Your knees rest on a large, soft sponge rubber pad. As the pad is flat on the ground, you can work in a comfortable position.

Sturdily constructed, all metal and painted with green enamel, it will give you life-long service.

The Gardenade can also be used in the home when it is necessary to kneel—cleaning floors, baseboards, polishing bath tub, waxing, etc. Price \$2.50 each, postpaid \$2.65.

Portable Home Greenhouse



Thousands of home gardeners, nurserymen, florists and truckers are replacing their hotbeds or coldframes with this portable greenhouse. No longer will they depend on the uncontrolled heat of hotbeds or the lack of heat of coldframes.

These plant starters have thermostatically controlled hot-water heat.

Model No. 0. 12-flat size, 31 x 30 in. and 26 in. high. Oil type, \$21.95; Electric type, \$23.95 complete. Weight, 70 lbs.

Model No. 1. 18-flat size, 31 x 41 in. and 26 in. high. Oil type, \$25.95; Electric type, \$2.795 complete. Weight, 85 lbs.

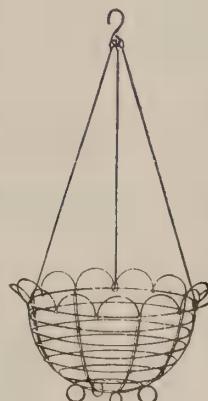
Model No. 2. 30-flat size, 31 x 67 in. and 26 in. high. Oil type, \$31.95; Electric type, \$33.95 complete. Weight, 125 lbs.

Redwood Flats. 13 x 5½ in. and 2½ in. deep. 15c, postpaid 23c.

Wire Hanging-Baskets

Help make the city beautiful by installing wire hanging-baskets and window-boxes filled with beautiful flowers. Made of good heavy wire. Painted green. See illustration.

Baskets. 8 in., 25c; 10 in., 35c; 12 in., 45c. Parcel Post, add 10c each.

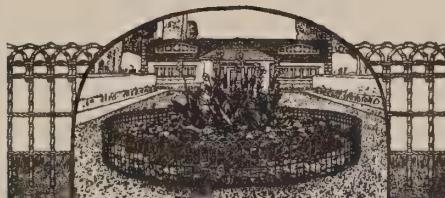


Wall Nails

For fastening climbing vines. Equipped with a soft metal clasp which holds the vine against the wall. 1-in., 45c per doz., postpaid 50c; \$2.75 per 100, postpaid \$2.85. 1½-in., 60c per doz., postpaid 65c; \$3.75 per 100, postpaid \$3.95. 1½-in., 75c per doz., postpaid 85c; \$4.50 per 100, postpaid \$4.75.

G. B. Vine Supports

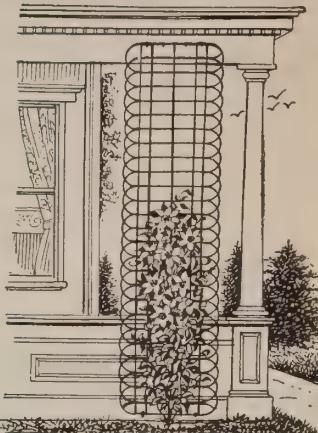
For training ivy, roses, and all other climbing vines on brick, stone, cement, wood, or any type wall surface without defacing it. Box of 25, including cement, \$1.25, postpaid.



Electric Welded Flower-Bed Guard

Fits any shape or size of flower-bed. No posts required. Cut to any length. Bottom of pickets left straight to be inserted in the ground. Made in 3 heights. Per lineal foot: 16-in., 7c; 22-in., 8c. Not welded, 28-in., 9c. Not mailable.

Wire Trellis



Cut to any length; fits any porch. The most inexpensive practical trellis made. Furnished in 3 widths. Per lineal foot: 18-in., 9c; 24-in., 10c; 30-in., 11c. Not mailable.

Rubbish Consumer

No. 33. Height 27 in.; diameter 16½ in. Weight, 18 lbs. \$3.75 each.

Hotbed Mats, Sash and Glass

Hotbed Mats. Burlap-covered. 40 x 76 in. size, covers 1 sash, \$1.75; 76 x 76 in. covers 2, \$2.75. Special prices in quantity. Express or freight.

Hotbed Glass. Box of 90 panes, 8 x 10 in., \$2.75; less than box lots, 5c per pane. Price subject to change. Express or Freight.

Hotbed Sash. Made to hold either 24 or 28 8 x 10-in. panes. These Sashes are grooved so that the panes slide in and butt one against the other. \$1.75. Price subject to change. Express or Freight.



Thermometers

Dairy Thermometer. No. 5715. Floating. 35c, postpaid 40c.

Household Thermometer. 60c, postpaid 65c.

Hotbed Thermometer. Brass point. \$3.00, postpaid \$3.10.

Self-regulating Hothouse Thermometer. No. 5452. Best grade. \$7.00, postpaid \$7.10.

No. 5454. Economical. \$4.50, postpaid \$4.60.

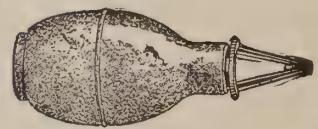


Fig. 22

Putty Bulbs. Fig. 22. For applying liquid putty. \$1.50. Parcel Post weight, 1 lb.

Peerless Glazing Points Nos. 2 and 2½. The finest glazing points on the market. Box of 1000, 75c. Parcel Post weight, 1 lb.

Mastica Machine. For distributing Mastica, etc. Made of heavy zinc. \$2.75 (by mail, 10c extra).

Mastica. For glazing greenhouses. One gallon will cover about 300 running feet. Gal. \$2.25. Weight, 18 lbs.

Mole Trap

Little Giant. Self-setting. \$1.00, postpaid \$1.10.

Schroeter. \$2.00, postpaid \$2.15.



PLANET JR. TOOLS



No. 4 Seeder
and Cultivator

This tool combines a first-class hill-dropping Seeder, a perfect Drill Seeder, a single Wheel Hoe, a Cultivator and a Plow. It holds 2 quarts and sows in continuous rows, or drops in hills. Weight, 50 lbs. \$18.75. No. 4-D (As a seeder only). Weight, 40 lbs. \$14.75.

No. 25 Seeder, Double and Single Wheel Hoe

As a Seeder this tool is the same as No. 4 described above but when used as a Cultivator it can be set up either as a Double or Single Wheel Hoe. Weight, 47 lbs. \$22.50.

No. 300-A Drill Seeder

Adapted for beans, corn and peas. Capacity, 4 qts. Weight, 55 lbs. \$21.00.

No. 22 Jiffy Seeder

An accurate Seeder for the small garden. No wasting of seed. \$9.00, postpaid \$9.50.

"Firefly" Garden Plow

For small gardens. Will throw a furrow 4 to 6 inches wide. Weight, 14 lbs. \$4.50.

Double and Single Wheel Hoe

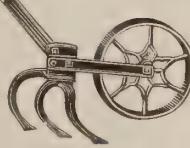
No. 12. Straddles crops 20 inches high. Can be worked between rows with one or two wheels. Weight, 33 lbs. \$11.50.

No. 11. Like the above, but in addition has one pair 4½-inch hoes, two 3-tooth rakes, and two 5-tooth rakes. Weight, 39 lbs. \$14.50.

No. 13. Equipped with only one pair of 6-in. hoes. Weight, 28 lbs. \$8.75.

Jiffy-Hoe

As illustrated \$1.60, postpaid \$1.76. Extra plow attachment 60c, postpaid 75c. Scuffle blades same price as plow.



No. 17 Single Wheel Hoe

Equipment: 1 pair 6-in. hoes (\$100/1); 3 steel cultivator teeth (1395); 1 large garden plow (R6). Weight, 24 lbs. \$7.75.



No. 16 Single Wheel Hoe. Weight, 25 lbs. \$8.95.

No. 17½. Equipped with hoes and leaf-lifter. Weight, 21 lbs. \$6.75.

No. 18. Equipped with only one pair 6-in. hoes. Weight, 19 lbs. \$5.75.

No. 19. Similar to above, but has higher wheel (15-in.), equipped with cultivator tooth, sweep-plow and 5-pronged cultivating attachment. Weight, 21 lbs. \$4.95.



High Wheel
Cultivator

No. 850. Complete with plow, double-pointed shovel and five-pronged cultivator as shown. \$3.50.

No. 119W. Planet Jr. High Wheel has 5-pronged attachment, cultivator tooth and plow. \$4.20.

Five-pronged attachment 85c., postpaid 95c.

Star Pulverizer and Cultivator

The star discs break up, pulverize and level the soil. Weight, 6 lbs. \$2.50.

No. 220 Fertilizer Distributor

One-bushel capacity. Will distribute from 200 to 2000 pounds of fertilizer to the acre. \$28.75. Send for special circular.

No. 100-D Plain Cultivator

It will stand hard usage and do excellent work. Easy to handle and adjust. \$7.50.



No. 100-D
Cultivator
with Cast
Wheel.
\$8.50

No. 107-D. Similar to the No. 100-D, but has 7 teeth and lever expander. \$10.50. With wheel, No. 107, \$11.75.

No. 4-D. Plain Cultivator. Like No. 100-D, but heavier. Less wheel. \$8.75.

Sowrite Seed Sower

Sows seeds at a touch; it scatters seeds individually, prevents crowding and choking of the seedlings when coming up. Sows either flower or vegetable seeds. 50c, postpaid.

Cahoon Seed Sower

Sows timothy, clover, oats, wheat, rye, etc. \$5.00, postpaid \$5.25. Fig. 8.

Cyclone Seed Sower

Practical and all-round, first-class grain and grass seeder. \$2.50, postpaid \$2.65.

Horn Seed Sower

95c, postpaid \$1.05

Thompson's Clover and Grass Seeder

Sows 14 to 16 feet wide, any amount desired per acre.

Will sow 20 to 25 acres per day.



Planet Jr. Catalog
on request

PRICES SUBJECT
TO CHANGE

No. 9 Plain Cultivator With Lever Expander

Equipped with 4 3 ½ 8-in. Cultivator Steels and 1 4 x 8-in. Cultivator Steel. Tool is adjustable to width.

No. 9. With steel wheel, \$12.50; without wheel, \$10.75.

No. 4 Horse Hoe and Cultivator

With steel wheel, \$12.25, without wheel, \$10.50.

No. 9 Horse Hoe and Cultivator

Identical with the above, but has lever expander. With steel wheel, \$14.25; without wheel, \$12.50.

No. 7 Horse Hoe and Cultivator

Same tool as No. 4 and No. 9 but is also equipped with depth-regulating lever wheel. \$15.00.

12-Tooth Harrow Cultivator and Pulverizer

No. 90. Complete, \$16.50.

No. 90-B. Without pulverizer, \$13.50.

No. 90-D. Without pulverizer or wheel, \$10.75.

Cultivator Teeth. 1 ¼ x 8 in. Steels, 19c; 1 ¾ x 8-in. Steels, 20c; 2 ¼ x 8-in. Steels, 21c; 3 ⅛ x 8-in. Steels, 25c; 4 x 8-in. Steels, 32c.

No. 2539. 7-in. Shovel Steels. 40c.

No. 2540. 8-in. Shovel Steels. 45c.

No. 3580/1. 6-in. Turning Shovels. Pair 85c.

Bolts for all Cultivator Teeth, 5c.

Spike Tooth Harrow (All Steel)

The original All-Steel Spike Tooth Harrow which has never been equaled for genuine satisfaction.

No. 14-A. 50 teeth; 2 sections. Cuts 7 ½ ft. \$19.40.

Spring Tooth Harrow (All Steel)

For destroying weeds this Harrow stands supreme. A heavy-duty Harrow, especially designed for conditions that require exceptional strength.

No. 5-SPB. 15 teeth; 2 sections. \$23.75.

No. 7-SPB. 17 teeth; 2 sections. \$25.45.

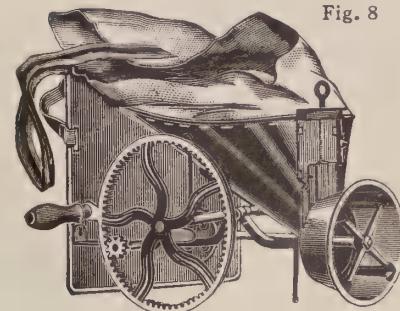


Fig. 8

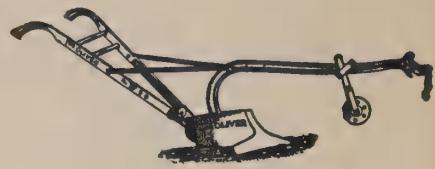
OLIVER PLOWS AND REPAIRS

	Wood Beam Plow	Steel Beam Plow	Shares	Slip Shares	Lands	Mould-boards
No. AC-2		\$9 45	\$0 30	\$0 40	\$0 60	\$1 50
No. BC-N	\$11 70	11 95	40	50	75	1 90
No. 10-N	13 30	13 40	45	60	80	2 15
No. 13-N	14 75	14 80	55	70	1 00	2 90
No. 19-N	15 70	15 80	60	75	1 10	3 50
No. 20-N	17 25	17 25	65	80	1 15	3 75
No. E	21 65		75	90	1 25	4 15
No. 40-N	19 75	19 75	75	90	1 25	4 15

Prices for Plows include extra Share and Wrench. The following extra: Wheel, complete, for Steel Beam Plows AC-2 to 13-N, \$1.55; from 19-N to 40-N, \$1.90; for Wood Beam Plows BC-N to 13-N, \$1.40; from 19-N to 40-N, \$2.05. Jointer, complete, \$4.05.

State if Wood or Steel Beam.

Single Handles, \$1.00 each. Round, 25c per pair. Steel Beam Handles, complete up to 10-N, \$2.35; Wood Beam, \$2.30. For 13-N and above, Steel Beam, \$3.00; Wood Beam, \$3.20.



Boss Plows and Repairs

PLOWS

1 Rig, complete	\$7 50
2 Rig, complete	8 50
3 Rig, complete	9 50
4 Rig, complete	10 50

MOULDBOARDS

Cabbage	\$0 35
1½ and 2	70
2½ and 3	85
No. 20	1 35
Board and Share	3 00
Double Shares	1 00

SHARES

Cabbage	\$0 35
1½ and 2	40
2½ and 3	45
No. 20	55

MISCELLANEOUS

Landsides	\$0 60
Clevises	40
Bolts (All)	05
Standards	2 75
Handles, Complete	1 50
Handles, Single	65
Beams	1 00

Chattanooga Plow and Repairs

No. 65. 2-Horse R. H. S. Beam Plow, Plain	\$20 00
With Wheel and Jointer	26 50

SHARES

No. 65 Solid	\$0 60
No. 65 Slip	78
Extra Slips	15

MISCELLANEOUS

Landsides	\$1 10
Jointer Pt.	35
Mouldboard	3 15

Barker Jr. Weeder

Baby No. 6. The best small garden weeder and mulcher on the market. The very low price makes it attractive. Weeds and mulches a strip 6 inches wide. \$7.25.
No. 8½ Barker Jr. Weeds and mulches a strip 8½ inches wide. Has leafguards and 3 shovels. \$7.95.

Rubberized Work Gloves

No. 9012. Will keep your hands warm and dry. Can be used in handling any kind of liquid, spray solutions, spraying, car washing, etc. Gives complete protection to the hands. Pair 45c, postpaid 50c; 2 pairs 80c, postpaid 90c.
No. 3002B. Ladies' size. Pair 40c, postpaid 45c; 2 pairs 70c, postpaid 75c.



No. 9012

SYRACUSE REPAIRS

	Mould-boards	Land-sides	Solid Shares
No. 50	\$2 00	\$0 65	\$0 40
No. 53	2 90	85	56
No. 603	3 80	1 05	55
No. 602	3 85	1 10	60
No. 601	3 85	1 20	70
No. 1462	3 85	1 10	60
No. 1461	3 85	1 20	70

Slipshares 15c higher.

Chains, Back Bands, Etc.

Berry Boxes. 1-qt. size, 80c per 100, postpaid 90c.

Prices per 1000 furnished on application.

Trace Chains. 7-ft. straight link, hook, \$1.05, ring type. 95c per pair; postage, 25c extra.

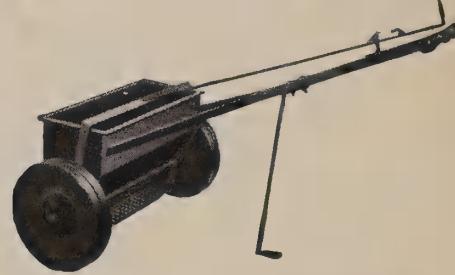
Cow Chains No. 1. Tying out. 20-ft., 75c. No. 00. 30-ft., 90c. Postage 10c extra.

Bull Rings. Heavy; ¾-in. copper, 3 in. diam. 50c each, postpaid 55c.

Back Bands. Cotton duck with snaps. 42-in., 50c; 48-in., 75c. Postage 10c extra.

Plow-Lines. Sisal. 14 yds. 50c, postpaid 60c. Cotton. 14 yds. 75c, postpaid 85c.

Fertilizer and Seed Distributors



Master's Perfect. A simple and efficient machine that solves the problem of even distribution of fertilizers, grass seed, etc.

Baby Lawn-Distributor. Capacity, 15 lbs. \$3.30.

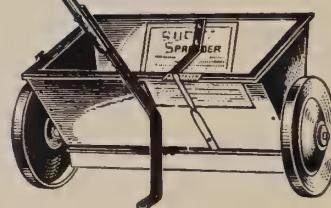
Home Lawn-Distributor. With rubber tires. Capacity, 25 lbs. \$6.50.

M-180. 18-in. width. \$11.00.

M-241. 24-in. width with Double Disc Wheels. \$16.00.

M-361. 36-in. width with Double Disc Wheels. \$22.75.

M-S Fertilizer and Seed Distributors

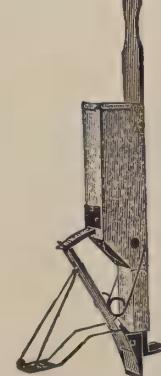


Has six gate control for accurate spreading of fertilizers, lawn seed, and other granular products, equipped with double shut-off control, one manual and one automatic. 16 in. \$3.45; 20 in. \$6.45; 30 in. \$13.95.

Spreaders not mailable

Acme Corn Planter

No. 307. This segment Corn Planter is of a very popular pattern, adjustable gauge and seed drop. Can also be used for planting peas and beans. Operation automatic, accurate and easy. \$1.90, postpaid \$2.10.

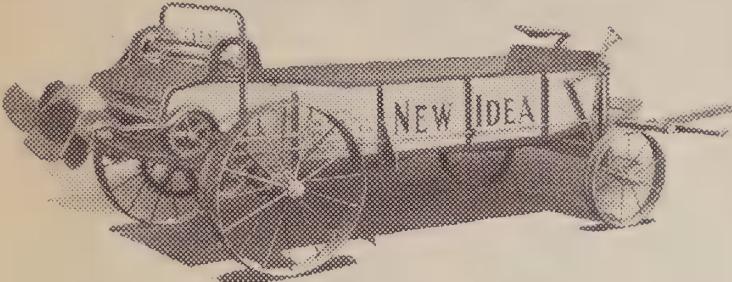


Red Chief Corn Sheller

(HAND MODEL)

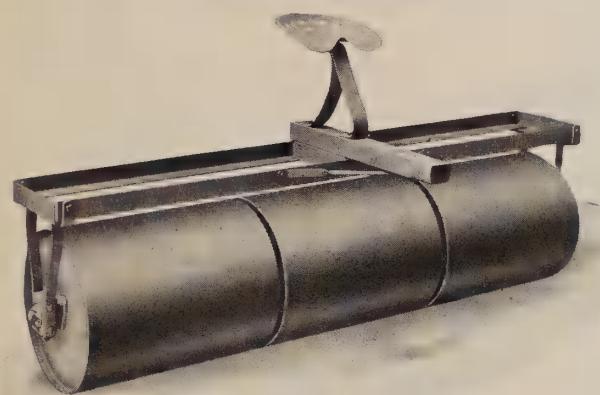
Self-adjusting to any size ear. Weight 12 lbs. \$2.25.

New Idea Manure Spreader



No. 9. New Idea Spreaders are light in draft, perfect in field performance, built to last for years. Capacity 60 to 65 bushels. It will shred and pulverize the toughest manure and spread it in an even blanket of controlled fertility with less strain on the team than you ever thought possible. Four changes of feed rate. Auto-steer front axle. \$171.25.

Steel Land Rollers

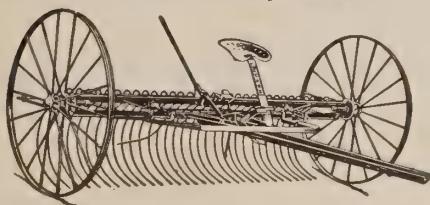


Drums of heavy tank steel. Angle steel tops. Axles, 1 5/8 inch round steel. Tractor or horse hitch.

102 1/2.	8 ft.; 2 sec.; 26 in. diam.; wt. 550 lbs.	\$43 75
103 1/2.	8 ft.; 3 sec.; 26 in. diam.; wt. 600 lbs.	46 25
105 1/2.	8 ft.; 2 sec.; 24 in. diam.; wt. 510 lbs.	41 25
106 1/2.	8 ft.; 3 sec.; 24 in. diam.; wt. 535 lbs.	43 75
120 1/2.	9 ft.; 3 sec.; 24 in. diam.; wt. 585 lbs.	46 75
118 1/2.	4 3/8 ft.; 2 sec.; 24 in. diam.; wt. 370 lbs.	38 50

Extra for Eveners, \$2.85

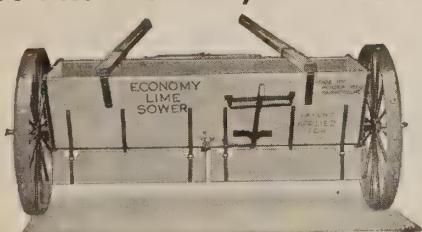
J. I. Case Dump Rakes



Steel frame trussed and braced for long life. Suspension type wheels.

825.	8 ft., 25 teeth	\$48 75
928.	9 ft., 28 teeth	50 00

"So-Rite" Economy Lime Sowers



Very strongly made. Exceptionally accurate feed, even flow, positively controlled and gauged by adjustment of lever on back of machine.

5 ELW-1.	5 ft.; 1-horse; wt. 300 lbs.	\$41 00
6 ELW-1.	6 ft.; 1-horse; wt. 325 lbs.	45 00

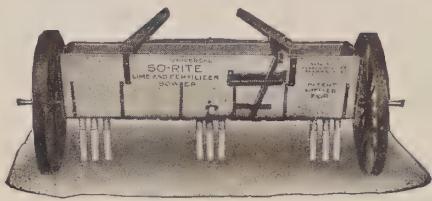
J. I. Case Mower

It is built for a long life of useful service, by using oversize bearings and replaceable bushings; roller bearings on axle; pressure lubrication throughout with bevel gears and clutch in oil-bath.

No. 55. 5-ft. cut, plain lift. \$95.00.



"So-Rite" Universal Fertilizer and Lime Sowers



No Belts to Replace

As a Fertilizer Drill. Rubber spouts are attachable to any desired points 3 inches apart under the entire machine; adjustable to any width rows. Used as a 2-row, 3-row, or 4-row machine; remove by hand—no tools necessary. The quantity to be sown is obtained by adjustment of lever on back of machine.

As a broadcaster. This So-Rite machine is perfect. Feed is regular and positive. Wheels are adjustable. *Specifications:* Wheels, 36 in. high. Tires, 3 in. wide. Capacity, Hopper, 400 to 700 lbs. Capacity per acre, 300 to 5000 lbs.

3 U-6-1.	Width, 3 ft.; 1 horse; 6 spouts; wt. 225 lbs.	\$38 00
4 U-6-1.	Width, 4 ft.; 1 horse; 6 spouts; wt. 250 lbs.	42 00
5 UW-6-1.	Width, 5 ft.; 1 horse; 6 spouts; wt. 300 lbs.	46 00
6 UW-6-1.	Width, 6 ft.; 1 horse; 6 spouts; wt. 325 lbs.	50 00

Extra spouts complete 75c

Soil Pulverizer



Simple in construction, strong, rigid frame with heavy cast hangers, solid, one-piece discs, no trouble to set up. Tractor hitch extra, \$2.75. Tongue truck extra, \$8.50.

626.	7 ft.; 37 sec.; wt. 900 lbs.	\$65 00
627.	8 ft.; 43 sec.; wt. 1000 lbs.	67 50
628.	9 ft.; 49 sec.; wt. 1100 lbs.	75 00
630.	11 ft.; 61 sec.; wt. 1350 lbs.	95 00

All front discs 15 inches, rear 12 inches

Flat-Tooth Weeders

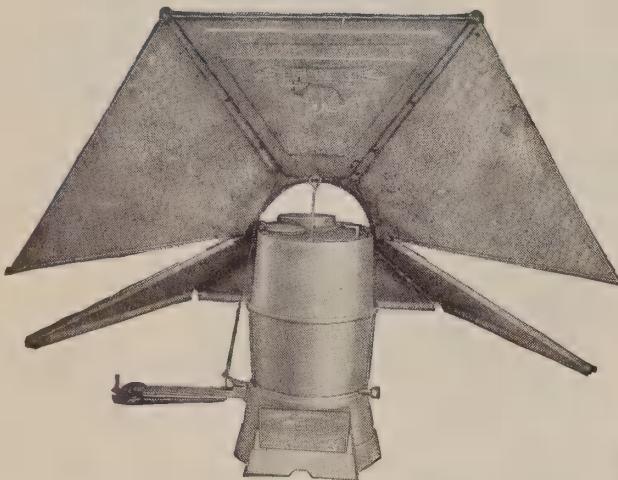
7 1/2-ft. Flat-tooth Weeder. \$14 50

BUCKEYE BROODERS AND INCUBATORS

THE WORLD'S BEST

WE CARRY A FULL LINE OF INCUBATOR AND BROODER REPAIR PARTS

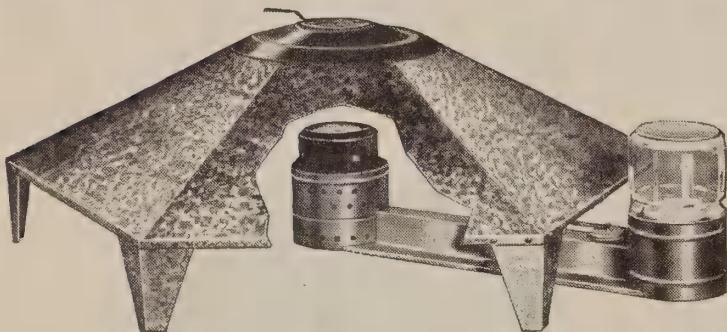
Ace-Coal Brooders



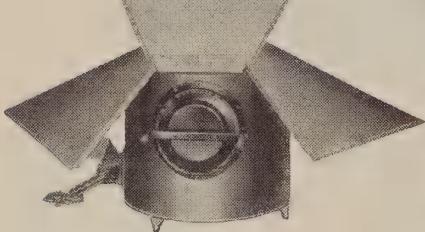
Over two decades ago the Buckeye Coal Brooder came into existence, and from that day on it has been the standard of comparison in Brooder Stoves everywhere. It was scientifically designed and especially built to raise more baby chicks with less work and less fuel—and it does its job well.

The Buckeye Coal Brooder has been constantly improved and today it still holds its place as the leader. This Buckeye Coal Brooder saves time and work, is easy and economical to use, saves more chicks, increases poultry profits.

No.	Diam.	Canopy	Coal Capacity	Height	Ship. Wt.	Price
118-A	54 in.	40 lbs.	22 in.	98 lbs.	....	\$19 50
119-A	62 in.	60 lbs.	25 1/4 in.	126 lbs.	....	23 00
120-A	62 in.	75 lbs.	29 in.	145 lbs.	....	26 50



Buckeye Lumberjack



Model No. 41

Drum Size
25 x 20 in.

Canopy
62 in.

Chick Capacity
1000 \$21 00

A modern wood-burning Colony Brooder, perfectly safe and dependable. Cannot overheat; no danger of going out; sturdily built; requires but little attention. The drum is made of boiler plate and is airtight. The fire-door is instantly removable and locks itself airtight.

A good, sturdily built, automatically controlled Blue Flame Brooder with many outstanding features.

The automatic heat control is positive in action through efficient needle valve, operated by thermostatic brass wafer. Valve body is brass with small by-pass to allow sufficient flow to keep burner from going out.

Giant type burner produces an abundance of heat. Chimney is self-centering, eliminating smoky flames. Burner and oil reservoir rigidly mounted in metal housing. Burner always level. Flame always even on all sides. Can't get out of adjustment.

No. 336.	36-in. canopy	....	\$10 40
No. 347.	47-in. canopy	....	11 25
No. 357.	57-in. canopy	....	12 00

Buckeye Incubators

These small Buckeyes are precision-built machines capable of turning out large percentage hatches seldom realized from incubators of like size

Underwriters' Label on all models, except No. 65, ■■■ warranty against fire hazard.

All Incubators, except No. 65, are now equipped with Automatic Egg-Turners. Only a moment is required to turn all the eggs.

No. 66.	143-egg capacity	....	\$38 90
No. 67.	286-egg capacity	....	51 95
No. 68.	416-egg capacity	....	70 95
No. 69.	576-egg capacity	....	89 95
No. 1350-37.	Electric. 1350-egg capacity	....	197 50

The use of a Buckeye Incubator for hatching and a Buckeye Brooder for rearing is the scientific way to hatch more eggs; to rear sturdier birds in shorter time at lower cost; to make more money from your poultry

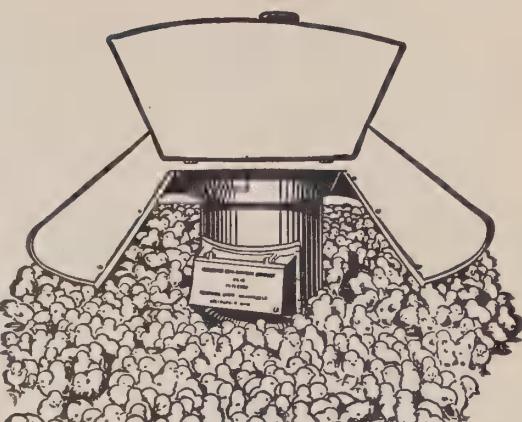
In ordering repair parts, always give number of Brooder Stove and name of part wanted

NEWTOWN BROODER

Will Raise Every Raisable Chick—Ask Any Owner

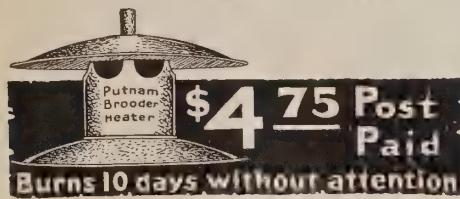
The Newtown Coal-Burning Brooder has the reputation of being the most efficient Brooder made and needs no introduction to poultrymen. It was the first coal-burning, self-feeding, self-regulating colony Brooder put on the market, having been longer in use than any other of its type. It is giving efficient service in every state in the Union and eleven foreign countries, and represents the modern, up-to-date Brooder in the highest form of development. It is durable, easy to operate, safe, economical and labor-saving. There is no Brooder on the market which can be compared in any way to this one. When you think of these features, you can see what Newtown is. It cares for all your chicks regardless of weather conditions. It burns a good grade of soft coal satisfactorily, as well as hard coal. It holds the fire and does not require constant attention. You don't have to get up at night to see if your chicks have enough heat. They're always safe and warm with Newtown.

Model	Weight Crated	Chick Capacity	Coal Capacity	Diam. of Hover	Size of Pipe	Price
No. 11	220 lbs.	Up to 500	43 lbs.	50 in.	4 in.	\$29.50
No. 12	306 lbs.	Up to 1000	62 lbs.	56 in.	5 in.	39.50



In ordering repair parts, always give number of Brooder Stove and name of part wanted, also number on casting.

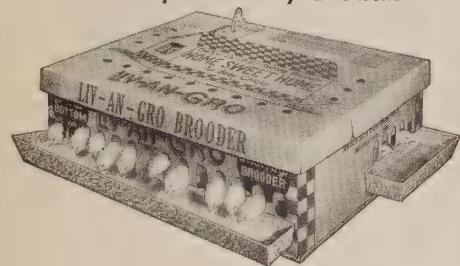
Putnam Brooder Heater



This is used to heat a home-made brooder, which will take the best of care of from 30 to 60 chicks. Instructions for making brooder packed with every Heater.

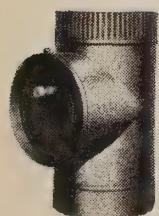
Improved Liv-An-Gro Brooder

Save 95 per cent of your chicks



Metal feed-pan and water-trough with sanitary $\frac{1}{2}$ -inch mesh galvanized wire bottom and wire rods for holding wire bottom in place. Adjustable guards at feed and water openings.

The electric heater consists of 6 feet of extension cord and one large metal circulation tube to hold electric bulb (bulb is not furnished). In winter, when the room temperature is 65 or 70 degrees, a 40-watt bulb is recommended. \$1.95, postpaid \$2.10.



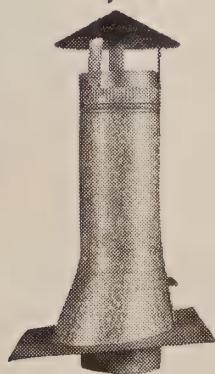
Buckeye Metal Brooder

Made entirely of heavy galvanized steel. Size 18 x 22 x 6 inches, capacity 50 chicks. Very sanitary. Easy to keep clean. Hardware cloth floor of $\frac{1}{2}$ -inch mesh. Feeder trough 22 inches long. Water trough 18 inches long. Ample size for capacity of Brooder. Troughs easily removed for filling and cleaning. Order 3 Brooders for each 100 chicks to allow for growth.

No. 100-EA. With electrical attachments. Weight 15 lbs. \$3.15, postage extra.

NOTICE.—All orders for chicks should be accompanied by cash. One-fourth (25 per cent of the amount of the order should accompany all orders for chicks for future delivery.

Adjustable Roof Saddle



This new Roof Saddle, adjustable to care for any pitch roof, is furnished complete with stack and rain-cap as illustrated. Made for two sizes of pipe, 4 inch and 5 inch. Please specify in ordering which size is desired.

For 4-in. Pipe. Weight, 7 lbs. \$1.35, postpaid \$1.50.

For 5-in. Pipe. Weight, 7 lbs. \$1.50, postpaid \$1.65.

Rain Caps and Wind Deflectors

No. C-284. Rain Cap. 4-in., 25c, postpaid 35c.

No. C-285. Rain Cap. 5-in., 25c, postpaid 35c.

No. RC-284-285. Revolving Wind Deflector, 4 or 5-in., 50c each, postpaid 60c.



Stove Pipe

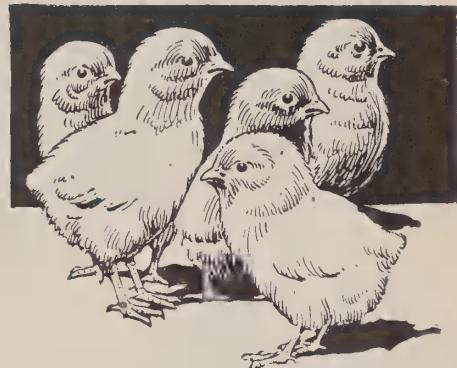
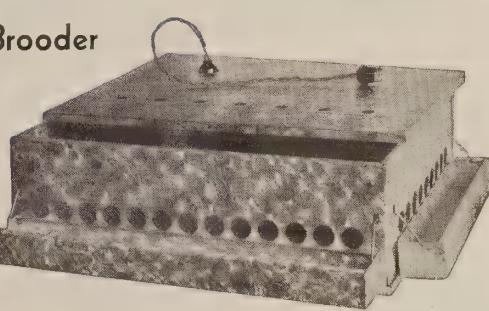
3-in.	4-in.	5-in.	
Galvanized. 2-ft. joints.	\$0.23	\$0.25	\$0.30
Black. 2-ft. joints.....	18	20	25

3-in.	4-in.	5-in.	
Galvanized.....	\$0.20	\$0.25	\$0.30
Black.....	18	20	25

Add 10c to the price of each elbow or joint of pipe for postage.

Draft Equalizer

The adjustable Draft Equalizer solves a problem for the user of coal-burning brooders as it helps to maintain a steadier fire on windy days. This prevents the coal burning too fast or wind blowing smoke back down the chimney, causing fire to smother. The added protection given by this simple device can hardly be estimated. The Draft Equalizer is made with either 4 or 5-inch galvanized pipe. 60c, postpaid 70c.



Baby Chicks

Our Chicks Will Please You
Blood-tested for Pullorum Disease

We advise placing orders in advance as the demand for our Chicks is always heavy. Every bird in our breeding flocks has been selected for health, vigor, production and must conform to the type of the breed it represents. Each is blood-tested each year and all unsatisfactory birds are removed at once. Hatches every week after February 1. Prices subject to change.

Leghorns, White, Brown,	25	100
Buff	2.75	\$9.00
Rock, Barred, White, Buff.	3.00	10.00
Reds	3.00	10.00
N. H. Reds	3.25	11.00
Wyandottes, White	3.00	10.00
Black Giants	3.25	11.00
White Giants	3.25	11.00

50 at the 100 rate, 1c less per 1000

MAMMOTH WHITE PEKIN DUCKLINGS IN SEASON. \$5.50 for 25; \$10.00 for 50; \$18.00 per 100.

Incubator and Brooder Repairs

We carry a full line of Buckeye Incubator and Brooder Repairs.

Incubator Wicks. State sizes wanted. 5c each; 50c per doz., postpaid.

Brooder Wicks (Kerogas).

No. 20, 30c; No. 30, 50c, postpaid.

Asbestos Wicks. 25c, postpaid.

Putnam Stove Wicks and Holder and Wick. 10c, postpaid.

Putnam Heater Wicks and Holder and Wick. 15c, postpaid.

Incubator and Brooder Lamp Burners. For Buckeye, Cyphers and other makes.

No. 1. Takes 1-in. wick, has large flame.

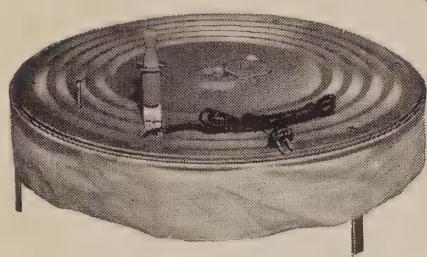
75c, postpaid 82c.

Nos. 2 and 3. Large size, \$1.00, postpaid \$1.07.

Chimneyless Lamp Burner. 50c, postpaid 60c.

BUCKEYE ELECTRIC BROODERS

IT'S THE FINAL RESULTS IN LIVABLE CHICKS AND ELECTRIC BILLS THAT COUNT



No. 3140

Buckeye Display Processors

PROCESS CHICKS NATURE'S WAY

This improved heater unit with rubber packing pad permits the chicks to actually contact rubber pad. This principle produces natural environment for chicks and can be produced only by this substance which is flexible, non-porous and a non-conductor of heat. The chick must touch its back to the heated rubber pad to obtain the mother-hen temperature. Same principle as applying a hot-water bottle to the tenderest part of the human body.

Copied batteries do not produce these results. There are actually more Contact Brooders in use by hatcherymen, feed stores, and other merchandisers of baby chicks than all others combined. There must be a reason, so investigate this Brooder before you make your decision.

It has many outstanding features found on no other Brooder. Be sure to get details. When you buy "Contact Heat" be sure you get "Contact Heat" and not a substitute.

No. C-200.	1 Deck (200-chick capacity)	\$30 40
No. C-400.	2 Decks (400-chick capacity)	56 40
No. CS-400.	2 Decks with stand (400-chick capacity)	61 60
No. CS-600.	3 Decks with stand (600-chick capacity)	90 50
No. CS-800.	4 Decks with stand (800-chick capacity)	116 20
No. CS-1000.	5 Decks with stand (1000-chick capacity)	141 95

Buckeye Red Top Electric Brooder

Sturdily constructed, efficient, fully automatic. The 200-watt electric heater is an asbestos-enclosed type heat element. Automatic control is by an accurate double filled wafer thermostat, easily adjusted from the top. Pilot bulb indicates when heater is on or off. Legs are adjustable from 6 inches to 8 inches. Ventilating tube is 2 inches in diameter and adjustable at the top. A special tweed curtain is suspended from around the edge of the Brooder.

Furnished standard for AC 110-volt 60-cycle electric current.

No.	Description	Canopy Size Inches	Capacity Day- Old Chicks	Heater Wattage	Price
3140.	Electric Brooder	25 (Round)	85-100	200	\$8 95
3240.	Electric Brooder	32 x 38	175-250	450	12 50
3340.	Electric Brooder	40 x 52	325-375	550	20 00

No. 3240 and No. 3340 same shape as the Queen Brooder.

Buckeye Queen Electric Brooders

This Buckeye Electric Brooder "won its spurs" covering many tests. It is built for convenience, low current cost, and efficiency. Heating element, thermostat, and pilot light are mounted on a removable panel. The element is of open-coil type and is suspended between porcelain insulators, covered by a protecting screen of hardware cloth. The thermostat is a totally dust-proof, bi-metallic unit. Specially designed chrome-plated steel radiators are placed back of the heater wire to reflect the heat to the outside edge of the Brooder, thus providing uniform heat in all parts of Brooder. A special canvas curtain extends along the sides of the Brooder and has a rip-proof finish.

Model No. 94A. 300 chicks... \$28 45
Model No. 95A. 500 chicks... 36 95



Fig. 1

BUCKEYE THERMOMETERS

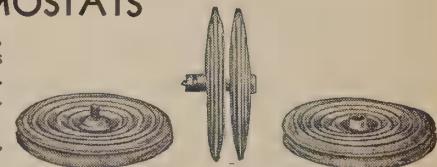
Brooder. Fig. 1. Easily read. 25c, postpaid 30c.
No. 400. Electric Brooder. Inside scale. 50c, postpaid 55c.
No. 401. Electric Brooder. Outside scale. 65c, postpaid 70c.
Buckeye Incubator. 75c, postpaid 85c.
No. 5776. "Tycos" Incubator. 75c, postpaid 80c.
No. 5783. "Tycos" Certified. \$1.00, postpaid \$1.05.
No. 5796. "Tycos" Incubator Hygrometer. \$1.50, postpaid \$1.60. Extra wicks, 10c each, postpaid.



WAFER THERMOSTATS

All-brass, double unit, for all makes brooders and incubators. 3-in. 25c; 4-in. 30c; 5-in. 40c. Postage 5c extra.

Screw Post Wafers. 5c higher.



BUCKEYE MODERN POULTRY EQUIPMENT

Buckeye Fountain, Heater and Stand

Includes base, lamp, and burner. The stand is also available as a separate item.

Special price for complete outfit.

No. 255-HS. 5-gal. fountain. \$5.75, postpaid \$6.15.

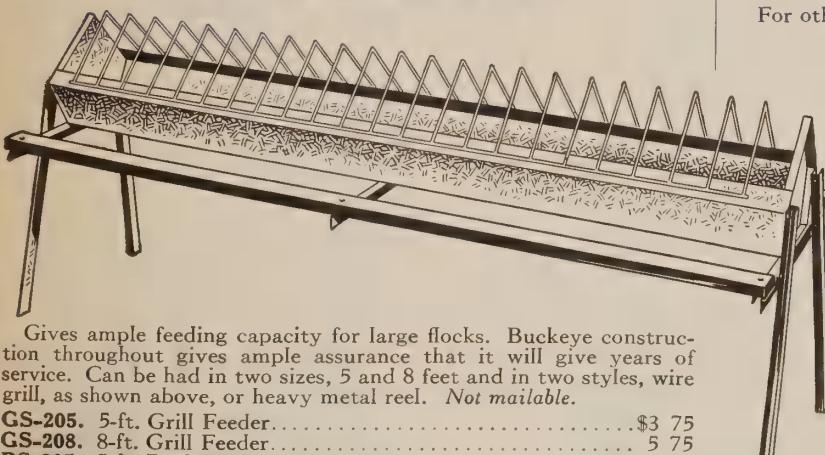
No. 269-HS. 10-gal. fountain. \$7.50, postpaid \$7.95.



No. S-269. Stand, adjustable for any size fountain. \$1.85, postpaid \$2.05.

For Heaters, see next column.

BUCKEYE FLOCK FEEDER WITH HEAVY ANGLE IRON STAND



Gives ample feeding capacity for large flocks. Buckeye construction throughout gives ample assurance that it will give years of service. Can be had in two sizes, 5 and 8 feet and in two styles, wire grill, as shown above, or heavy metal reel. *Not mailable.*

GS-205. 5-ft. Grill Feeder.	.....	\$3 75
GS-208. 8-ft. Grill Feeder.	.....	5 75
RS-205. 5-ft. Reel Feeder.	.....	3 50
RS-208. 8-ft. Reel Feeder.	.....	5 50
GS-205-L. 5-ft. Grill Feeder for broilers	.....	2 75

Flock Waterer

No. WH-604. 4-ft. Trough Heater and Stand.....\$9 25

Round Water-Pan—Removable Grill

The specially designed perch-proof top is easily removable. Pan can be supplied with stand or heater optional.

No. 265. Round Water-Pan with Grill. \$1.20, postpaid \$1.35.

No. S-265. Water-Pan, Grill, and Stand. \$1.70, postpaid \$1.95.

No. S-253. Stand only, fits Nos. 255, 264, 265, 266 Fountains. 50c, postpaid 60c.



Electric Thermostat Switch

An accurate snap type for use on battery brooders, incubators, or any place where correct temperature control is essential. \$1.95, postpaid \$2.05.

Float Fountains

Has double-acting copper-float valve which is positive in action—self-cleaning type that never clogs. Tank can be removed from bottom pan without fear of leaking. Heavy-gauge metal, strong bails, beaded edges, perch-proof tops.

No. 255. 5-gal. Float Fountain. 4-in. Float. \$2.50, postpaid \$2.70.

No. 269. 10-gal. Float Fountain. 6-in. Float. \$3.95, postpaid \$4.20.



Chick Founts

For use with either growing chicks or mature fowls. Heavy metal perch-proof top.

No. 259. 5-qt. Single Wall. 60c, postpaid 75c.

No. 263. 10-qt. Single Wall. 85c, postpaid \$1.00.

No. 264. 12-qt. Single Wall. \$1.20, postpaid \$1.35.

No. 301. Double Wall. 1 1/2-gal. \$1.05, postpaid \$1.15. Fig. 1.

No. 303. Double Wall. 2 1/2-gal. \$1.55, postpaid \$1.70.



Fig. 1

Fountain Heaters

No. 170. 12-in. for Nos. 255, 264, 266 fountains. \$1.60, postpaid \$1.73.

No. 270. 14-in. for Nos. 265, 456, 457 fountains. \$1.80, postpaid \$1.93.

No. 470. 18-in. for No. 269 fountain. \$2.00, postpaid \$2.13.

For other Heaters, see page 63.



Double Wall Fount

Made from heaviest metals, all edges beaded. Has heavy interior bail and perfect construction. Live rubber washer prevents leakage and holds water in can when top is removed. Round pan, easy to clean, a real value.



No. 266. 3-gal.	\$1.85, postpaid \$2.00
No. 456. 5-gal.	\$2.50, postpaid \$2.70
No. 457. 8-gal.	\$3.25, postpaid \$3.50



Fig. 2



Fig. 3

Buckeye Jar Founts—Fit Any Mason Jar

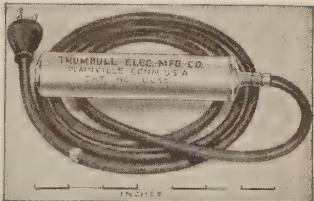
No. 202. Galvanized. Same price as No. 203.

No. 203. Blue enameled. Fig. 2. 10c each, postpaid 15c; 3 for 25c, postpaid 35c; 80c per doz., postpaid 95c.

No. 204. Heavy crystal glass. 15c each; 2 for 25c, postpaid 32c. Fig. 3.

Automatic Electric Water Warmer

More eggs in zero weather. Holds water at 50° at all times. Thermostatic control. No radio interference; no fire hazard; uses current only when water temperature falls below 50°; entirely automatic. Complete with 6-ft. waterproof electric cord. \$3.00, postpaid \$3.10.



Electric Fountain Heater

Keeps drinking water from freezing, even in zero weather. Safe and easy to use. No danger of fire or explosion. Cost averages about a cent a day. Used with any type fountain pan, crock, or bucket. \$1.75, postpaid. For other Heaters, see page 63.

BABY CHICK SUPPLIES

BUCKEYE CHICK FEEDERS

METAL REVOLVING REEL TYPE, SQUARE BOTTOM



A-224

Made from heavy galvanized iron stamped from one piece. No ends to break off or get loose. Wide lip on each side prevents food waste. May be used for feed or water. Width 4 inches; depth 12 inches.

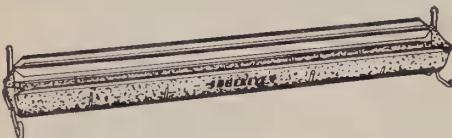
No. R212. Length 12 in. 15c each, postpaid 20c; 2 for 25c, postpaid 35c.

No. R218. Length 20 in. 20c each, postpaid 30c; 2 for 35c, postpaid 50c.

No. R224. Length 24 in. 30c, postpaid 40c.

No. TR224. Charcoal tin. Length 24 in. 40c, postpaid 50c.

ROUND BOTTOM, ADJUSTABLE LEGS



No. R231. Length 31 in. 50c, postpaid 60c.

No. R243. Length 43 in. 60c, postpaid 75c.

No. G231. Wire grill. 31 in. 75c, postpaid 90c.

No. G243. Wire grill. 43 in. 95c, postpaid \$1.15.

INTERMEDIATE SIZES

No. R436. Length 36 in. 70c, postpaid 85c.

No. R448. Length 48 in. 90c, postpaid \$1.10.

No. G436. Wire grill. 36 in. 90c, postpaid \$1.10.

No. G448. Wire grill. 48 in. \$1.15, postpaid \$1.35.

SQUARE BOTTOM FEEDERS



No. G124. Wire grill. 24 in. 45c, postpaid 55c.

No. G136. Wire grill. 36 in. 65c, postpaid 80c.

No. R136. Metal reel. 36 in. 50c, postpaid 65c.

BROILER SIZES



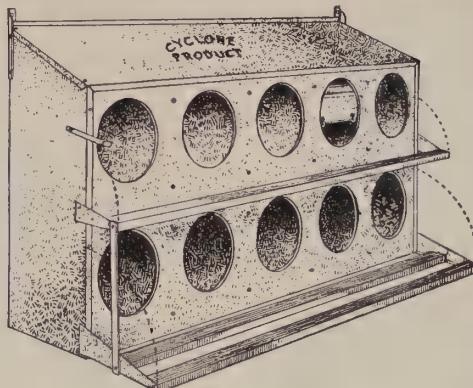
No. GL440. 40-in. Grill. \$1.25, postpaid \$1.45.

No. RL440. 40-in. Reel. \$1.15, postpaid \$1.35.



No. GD440. Double adjustable grill. 40 in. \$1.75, postpaid \$2.00.

Sanitary Steel Nests



Well ventilated. No overheating in hot weather. Ample room for large, heavy hens. In addition, for poultry breeders, we can furnish trap nest fronts as listed.

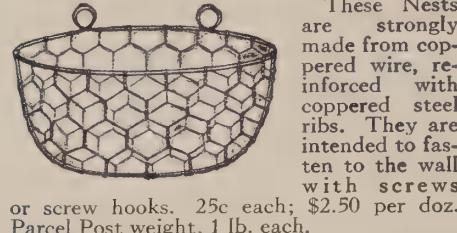
No. 406. 6-hole nest. \$5.30.

No. 410. 10-hole nest. \$7.75.

No. 415. 15-hole nest. \$10.60.

No. 416. Trap-nest front for round-hole nest. 40c, postpaid 45c.

Wire Nests



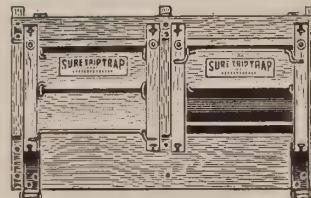
or screw hooks. 25c each; \$2.50 per doz.

Parcel Post weight, 1 lb. each.

Chick Boxes

Blue Ribbon Pullmans. 100 chick, 20c, postpaid 30c; 50 chick, 15c, postpaid 24c; 25 chick, 10c, postpaid 15c.

Sure-Trip Trap Nest Front

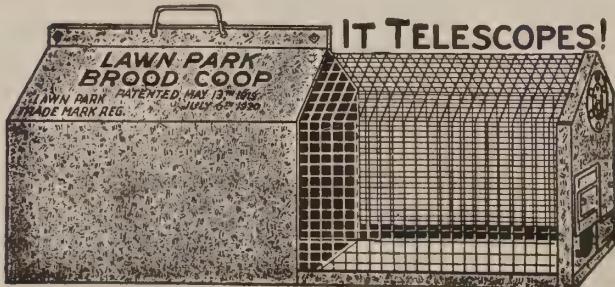


Simple mechanical device, ingeniously designed, which accurately traps. Easily attached to an orange box or any home-made nest. Very inexpensive. 35c, postpaid 42c; 3 for \$1.00, postpaid \$1.15; 100 for \$25.00, f.o.b. Baltimore, Md.

Stop Cannibalism

Use Pick Rem for chicks. See page 66.

Use Helmets for hens. See page 63.



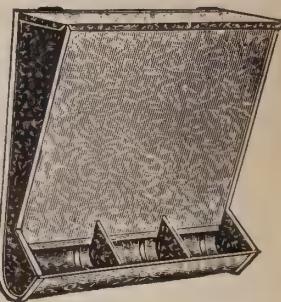
Modern Grit Boxes

The feeding of grit, charcoal, and ground shells is very essential. The compartment box here illustrated is inexpensive and practical. Made of galvanized iron.

No. 807. Length 12 in. Three compartments. \$1.15, postpaid \$1.30.

No. 808. Length 16 in. Four compartments. \$1.50, postpaid \$1.70.

No. 9. Three compartments. 85c, postpaid 95c.



Buckeye Egg Basket

Hot dipped in molten tin to prevent rust and sturdily constructed to give extra life. This Basket will not crack or mark eggs because of its substantial construction. Held off ground to insure perfect cooling. Has card-holder for flock identification.

No. 114. 18-doz. Round. 90c, postpaid \$1.05.

No. 112. 18-doz. Rectangular; galvanized wire, 75c, postpaid 90c.

Nest-Eggs

Encourage hens to lay in the nests by the use of Nest-Eggs. This will prevent the loss sustained by hens laying on the floor and other places, where eggs are broken and soiled. Broken eggs encourage the very bad habit of egg-eating by the birds.

Opal. Made of glass. 5c each; 40c per doz., postpaid 50c.

M.-S. Lime. Will last indefinitely. Looks most natural. 5c each; 40c per doz., postpaid 50c.

Chatfield's Naphthalene. Keeps vermin away; disinfects nest. 5c each; 50c per doz., postpaid 60c.

Egg Tester **Buckeye.** 35c, postpaid 40c. **Tin.** 25c, postpaid 30c.

Poultry House Scraper



For cleaning dropping-boards, scraping floors, and scraping snow and slush from walks. \$1.50, postpaid \$1.60.

Clay Pigeon Nest

20c each, \$2.00 per doz. Express only.

Lawn Park Brood Coop

The Lawn Park is large and roomy, being 18 in. wide, 19 1/2 in. high, and 48 in. long, with park extended. \$3.75. Cannot be sent by Parcel Post. See cut.

Leg-Bands for Poultry and Pigeons



When ordering bands, state for which breed.

M.-S. Ribbon Bands. The best celluloid Band ever produced. Unexcelled for use in trap-nesting. Made in six sizes and five colors. Per 100, postpaid

No. 1. Chick size, day old.....	\$1 25
No. 2. Chick size, two weeks old, or for pigeons.....	1 25
No. 3. Mediterranean breeds.....	1 50
No. 4. American breeds.....	1 60
No. 5. Asiatic breeds.....	1 75
No. 6. Turkeys and geese.....	2 75

In small lots, all sizes but No. 6, 25c per doz. No. 6, 35c per doz.

Spiralet Leg-Bands. Made of celluloid in different colors: Black, White, Blue, Red, Green, Yellow. Two Turkey Sizes: Hens 15c per doz., 50c for 50, 85c per 100; Toms 20c per doz., 60c for 50, \$1.00 per 100. Three Poultry Sizes (state breed and sex): 10c per doz.; 35c for 50; 60c per 100; \$4.00 per 1000. Pigeon and Day-Old Chick Size: 10c per doz.; 20c for 25; 30c for 50; 50c per 100.

Wing-Bands. The best clinch or seal Wing-Band manufactured. 35c for 25; 60c for 50; \$1.00 per 100, postpaid.

Adjustable Leg-Bands. Adjustable for any breed of poultry. 15c per doz.; 25c for 25; 40c for 50; 75c per 100; \$1.25 for 250; \$4.75 per 1000.

Elite Double Number Colored Pigeon-Bands. For marking nest pairs. This Band is the most visible, being numbered on both sides. 30c for 6 pairs; 50c per doz. pairs; \$1.00 for 25 pairs; \$2.00 for 50 pairs.

No. 6. Bandettes for Pigeons. Made of celluloid. Large, double numbers. 25c per doz.; 45c for 25; 80c for 50; \$1.50 per 100. All Bands Postpaid

Caponizing Sets, Poultry Markers, Etc.



Philadelphia Caponizing Set. In plain box, \$3.30; in velvet-lined box, \$3.60, postpaid.

Lansdowne No. 1 Caponizing Set. \$5.50, postpaid.

Cornell Caponizing Set. \$6.60, postpaid.

French Poultry-Killing Knife. 60c, postpaid.

Pinning Knives. 50c, postpaid.

Killing Knife, Chicken. Wood handle. 40c, postpaid.

Killing Knife, Turkey. 60c, postpaid.

Pettey's Vest Pocket Poultry Punch. For convenience it has no equal. 25c, postpaid.

Pettey's Lever Punch. Closes hole to prevent bleeding. 50c. postpaid.

Little Putnam Stove for Poultry Fountains and Oat Sprouters



Burns a Month without Attention

Will keep water from freezing in zero weather. It holds 6c worth of oil and burns a month without filling or trimming. Fool-proof and fire safe. \$2.00, postpaid, \$2.10.

Earthenware Fountains



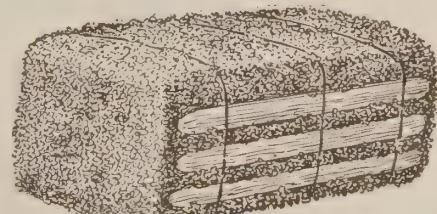
These poultry Fountains supply a constant flow of pure water. Made in 2 pieces; can be easily kept clean and sanitary. The slot also permits the use of thick milk or other heavy liquids. 1-qt. size, 35c; 2-qt., 40c; 4-qt., 50c. Not mailable.

Helmets Prevent Pickouts and Picking



Helmets are simple metal devices that are attached to the beaks of ready-to-lay or laying chickens, to prevent them from picking. These Helmets extend out over the beak, resting directly on top of the beak, permitting the birds free access to eat. In practicing cannibalism, a bird generally holds its head in a horizontal or semi-horizontal position. When held so, the Helmet offers complete protection by shielding the end of the beak. Helmets permit all natural functions of the chickens and will not interfere with production. Easy to attach. \$1.25 for 50; \$2.50 per 100; \$11.00 for 500; \$20.00 per 1000.

Poultry Peat Litter



A most sanitary and economical Litter for poultry. Pk. 25c; bus. 50c; $\frac{1}{2}$ bale \$2.25; full-size bale \$3.85. Prices on larger quantities on application.

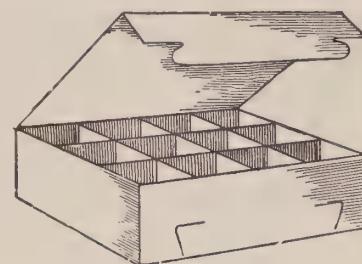
Metal Egg Crates

Sell Eggs by Mail

Indestructible; made for interchangeable shipments; lasts for years. Realize more money for your eggs.

Butter and eggs safely carried by mail in same crate. Can be used for other products.

Prices and Mailing Weights	Post-
Size, All Eggs	Size, All Eggs
1 doz.....	Empty
2 doz.....	4 lbs.
3 doz.....	6 lbs.
4 doz.....	8 lbs.
6 doz.....	11 lbs.
9 doz.....	15 lbs.
12 doz.....	22 lbs.
	Price paid
	\$1 00
2 lbs.....	1 50
4 lbs.....	1 75
6 lbs.....	2 00
8 lbs.....	2 50
10 lbs.....	3 25
12 lbs.....	3 50



M.-S. Egg Box

This is an ideal 3 x 4-section box for the retail egg trade, holding one dozen, presenting the goods to the customer in an attractive package. They knock down in very compact shape. 15c per doz., postpaid 20c; \$1.25 for 125, postpaid \$1.42; \$2.00 for 250, postpaid \$2.30; \$7.50 per 1000.

Humpty Dumpty Egg Carrier

A very light, strong, and convenient Egg Crate and Carrier. Made of hardwood slats securely fastened. The lid with handle, springs into position when crate is filled. Collapsible. 75c per 12 doz., postpaid 86c.

Biological Products

Roup Bacterin, Fowl Pox Vaccine, Tuberculin (Avian), Stained Antigen, Cholera-Typhoid Bacterin, etc. For poultry and all livestock.

ASL FOWL POX VACCINE

	Postpaid
100-dose units.....	\$0 75
500-dose units.....	\$0 80
	3 25
	3 35

ASL BACTERINS

Avian Mixed or Cholera-Typhoid

	Postpaid
125cc.....	\$1 75
250cc.....	3 00
500cc.....	5 50
1000cc.....	10 00
	\$1 80
	3 05
	5 60
	10 10

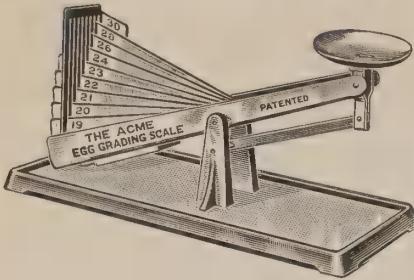
All ASL Biologics are manufactured under U. S. Veterinary License No. 165.

STAINED ANTIGEN

For detecting carriers of Pullorum Disease (B. W. D.) by the rapid whole blood agglutination method. Prepared under U. S. Government Patent 1,816,026. A superior Antigen, definitely standardized.

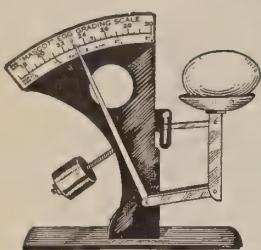
500 tests.....	\$2 00
1000 tests.....	3 50

Acme Egg-Grading Scale



Has been officially adopted as the standard scale in many sections of the United States. Made entirely of aluminum. Indicates grade instantly. \$2.35, postpaid \$2.45.

Automatic Egg-Scale



Has slanting dial for quick reading. Shows weight per dozen and each individual egg. Complete with leveling device. Grades up to 1800 eggs per hour. Adjustable stop converts into grader. Especially low in price. \$1.50, postpaid \$1.62.

Hexagon Mesh Poultry Netting

Put up in rolls of 150 running feet. Galvanized after weaving.

	2-in. No. 20	1-in. No. 20
	Wire	Wire
12-in.	\$1.35	\$2.56
18-in.	1.84	3.68
24-in.	2.32	4.82
36-in.	3.28	7.00
48-in.	4.25	9.06
60-in.	5.20	11.24
72-in.	6.17	13.58

2-in., less than roll lots, 1c per sq. ft.; 1-in., 2c. Price subject to change without notice.

Poultry Wire Staples. Lb. 10c.

Buckeye Automatic Float Valve

Positive in action, accurately machined, made entirely of brass, the float is of extra-heavy construction. Valve is threaded for $\frac{1}{4}$ -inch iron pipe and can be connected to any pressure system, or to any tank or barrel, thereby providing a constant automatic supply of fresh drinking water. A wire hook is provided to hold the float up in "off" position while the container is removed or cleaned. \$1.00, postpaid \$1.10.

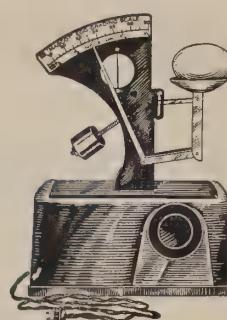


Hardware Cloth

Made from heavy wire, galvanized after weaving. Used for corn-cribs, sieves, windows, etc. 3 x 3 in. mesh. 24-in., 30-in. and 36-in. sizes. 5c per sq. ft. in roll lots; 6 $\frac{1}{2}$ c per sq. ft. in less than roll lots.

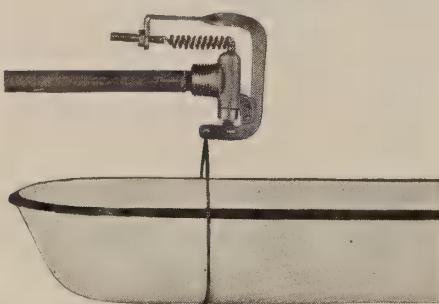
Poultry Supplies

Egg Scale and Candler



Excellent for grading to determine cracked eggs or blind checks. Slanting double dial shows weight per dozen and each individual egg. Specially designed light-reflector makes candling easy. Table model with leveling device, equipped with 5-ft. electric cord. \$3.95 each, postpaid \$4.10.

Gravity Water Valve



A Valve automatic in operation, which keeps water at any level desired. It is attached to trough, as shown in illustration. Will save time and labor, keeps water troughs full, connected to barrel, gravity, or pressure system. Quickly shut off for cleaning. Made of brass. The valve can be attached to a $\frac{1}{4}$ -in. or $\frac{1}{2}$ -in. pipe, as it is threaded for both sizes. Fully guaranteed. 85c, postpaid.

Cel-O-Glass

Now Guaranteed for 5 Years

Cut any size from 1 running foot up. Per running foot: 28 in. wide, 30c; 36 in. wide, 37c; postage, 10c for 1 running foot; 1c extra for each additional running foot; 100-ft. rolls, 28-in. \$29.00; 100-ft. rolls, 36-in. \$36.00.

Also can be supplied in 48-in. widths at \$50.00 per 100-ft. rolls. Sold in roll lots only.

Vio-Ray Glass Cloth

1 sq. yd. 23c; 10 sq. yds. or more, 20c per sq. yd. Postage, 10c for 1 sq. yd.; 1c extra for each additional square yard.

Sweets Fence Posts

	Length	Price
Line Post	3 ft.	\$0.24
Line Post	5 ft.	38
Line Post	6 ft.	44
Line Post	7 ft.	50
Line Post	8 ft.	57
End Post	6 ft.	1.69
End Post	7 ft.	2.00
Corner Post	6 ft.	2.50
Corner Post	7 ft.	2.95

Feed Cups for Exhibition and Training Cages.

No. 0. $\frac{1}{2}$ -pt. size, 15c each; \$1.50 per doz., postpaid \$1.60.

Perfection Egg Grader

New All-Metal Model

Introduced at I. B. C. A. Convention. The fastest, most accurate Egg Grader ever offered at a low price. Grades 3 to 5 cases per hour—automatically. Separates eggs into any 4 grades desired. Meets all state grading laws. Adopted by leading agricultural colleges. Adjustable. No dials to read. No electricity needed. Portable, weighs only 12 lbs. Molded rubber tray. A great time-saver and money-maker. Assures uniform pack. Quickly pays for itself. Complete, \$12.00, postpaid \$12.25.

Egg Candlers

No. 700. Complete Candler, including cord, socket, and bulb for 110-voltage, \$1.30, postpaid \$1.40.

Spotlight

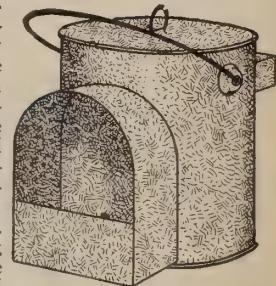
Used by Government Grading Stations. \$3.85, postpaid \$4.00.

Egg Preservative WATER GLASS

Put your eggs down in the spring and summer when they are cheap and keep them fresh for 10 months. For storing eggs, use a five-gallon vessel such as a stone crock, wooden tub or bucket. The vessel must have a cover to prevent evaporation. Do not use tin or iron vessels. One gallon makes sufficient solution for 50 to 60 dozens eggs. Qt. 35c, postpaid 48c; gal. \$1.00, postpaid \$1.23; 5 gals. at 75c per gal.

Pigeon Fountains

Hooded Fountain. A two-piece sanitary Fountain. The top section slides over bottom section, the double wall keeps the water cool in summer and warm in winter. Pigeons flying about in the loft cannot soil the water. Easy to keep clean. 4-qt. \$1.15, postpaid \$1.30; 8-qt. \$1.40, postpaid \$1.55. "Peerless" Drinking Fountain. Keeps the water clean and pure. 5-qt. 90c, postpaid \$1.00.



Pigeon Nest Fronts

Made of white pine with doweled fronts and large door to facilitate handling of nest bowls and youngsters. \$1.00 each, \$10.00 per doz.; postpaid \$1.10 and \$10.30.

Divco Tattoo

For positive, permanent marking of poultry, turkeys, geese, pigeons, rabbits, household pets, foxes, sheep, etc. A one-piece tattoo marker with cut steel design. Marks them for life. Complete outfit with serial number, \$2.85, postpaid \$2.95.

Tattoo Ink. (Non-poisonous.) 25c, postpaid 30c.

POULTRY AND BIRD-FOODS, DISINFECTANTS, TONICS, ETC.

On articles not marked postpaid, allow 1 cent for the first pound, 2 cents for the second pound, and 1 cent for every additional pound. Prices on all foods subject to change without notice. Quotations on larger quantities on request.

pratts.

Poultry & Livestock Remedies

POULTRY REGULATOR. Now contains trace elements. For health and eggs. Use it the year 'round. Pkgs. 25c and 50c, postpaid 33c and 61c; 12½-lb. pkg. \$1.60, postpaid \$1.80; 25-lb. pail \$2.00, postpaid \$3.16; 100-lb. drum \$10.00, f.o.b. Baltimore, Md.

N-K Capsules (Split Action).

For poultry worms. Does the work of two ordinary worm treatments. Adults: 50 capsules 85c; 100 capsules \$1.50; 500 capsules \$5.50; 1000 capsules \$10.00. Chick and Pullet: 50 capsules 55c; 100 capsules \$1.00; 500 capsules \$3.75; 1000 capsules \$6.50.

CHICK TABLETS. Use in the drinking water. Saves chicks. Pkgs. 30c and 60c.

DISINFECTANT. Economical, powerful, non-poisonous. Pt. 40c, postpaid 50c; qt. 55c, postpaid 62c; gal. \$1.50, postpaid \$1.75.

LICE-KILLER. In dust-baths, nests, etc. In sifter cans, 30c and 60c, postpaid 38c and 70c.

R-P TABLETS. Formerly Roup Tablet. Guaranteed or money back. Pkgs. 25c and 50c.

WORM POWDER. A flock treatment for use in mash. Pkg. 75c.

PIK-NO-MOR. Stops cannibalism among chicks at all ages. 25c, postpaid 30c; 50c, postpaid 56c.

INHALANT. For better control of colds and catarrh in poultry. 1-pt. bottle 60c, postpaid 70c; qt. \$1.00, postpaid \$1.15; gal. \$3.00, postpaid \$3.20.

ANIMAL REGULATOR. Keeps stock in the pink of condition. Pkgs. 25c and 50c; postpaid 32c and 58c.

PHENO-THI-AZINE SPECIAL. New, easy-to-give, effective worm treatment for hogs, sheep, and horses. Pkgs. 50c and \$1.00; postpaid 55c and \$1.10.

HOG POWDER. Pkgs. 50c and \$1.00; postpaid 55c and \$1.10.

ROOST PAINT. Will kill lice on fowls. Merely paint the roost at night—the fumes kill lice. There are no irritating or harmful effects to the birds. 2 ozs. 35c, postpaid 40c; ½ pt. 85c, postpaid 95c; pt. \$1.50, postpaid \$1.60; qt. \$2.25, postpaid \$2.37; gal. \$7.00, postpaid \$7.25.

C-Ka-Gene

Stops heavy losses from bloody coccidiosis. Turns natural attacks into immunity. 50-chick size 75c, postpaid 85c; 100-chick size \$1.25, postpaid \$1.37; 250-chick size \$2.75, postpaid \$2.93.

Write for FREE

Poultry and Livestock Health Guide



Feeds, Bird Seeds, Etc.

BIRD SEEDS

	Lb.
Canary	\$0 10
Rape (German)	25
Millet (Red or White)	05
Sunflower	10
Thistle	20
Maw	45
Flax	10
Cuttle-Bone	75
Mixed Bird Seed	10
Bird-Sand	10
	2-lb. pkg.

Poultry Grains

	Lb.
Cracked Corn	\$0 04
Oats	04
Barley	04
Buckwheat	04
Whole Corn	04
Kaffir Corn	05

Pigeon Feeds

	Lb.
Mixed Pigeon Feed	\$0 05
Argentine Corn	04
Domestic Corn	04
Canada Peas	07
Maple Peas	08
Tic Beans	10
Lentils	07
Rice	07
Kaffir Corn	05
Hemp Seed	10
Hulled Oats	05
Vetches	07
Buckwheat	04
No-Light Pills	30c, postpaid
	32

Grit, Shell, Charcoal, Etc.

	Lb.
Poultry Grit (3 sizes)	\$0 02
Poultry Shell (2 sizes)	02
Pigeon Grit (Foust)	03
Pigeon Grit (Red Cross)	03
Charcoal (3 sizes)	05
Tobacco Stems	05

Miscellaneous Feeds

	Lb.
Alfalfa Meal	\$0 04
Alfalfa Leaf Meal	05
Beef Scrap	05
Bran	04
Milk (Dried)	10
Buttermilk (Dried)	10
Flaxseed Meal	05
Wild Bird Seed	10

Prepared Feeds

(Conkey's)

	Lb.
Starting Mash	\$0 06
Growing Mash	05
Laying Mash	04
Turkey Mash	05
Chick Grains	05
Growing Grains	04
Scratch Grains	04

Poul-Tobac

Used for round worms in poultry. 10 lbs. \$1.00; 25 lbs. \$2.00; 100 lbs. \$4.50.

CARBOLINEUM (Genuine). A wood-preservative; prevents decay. Also used to destroy red mites in poultry-houses. Gal. \$1.25, postpaid \$1.45.

Bag Balm. For all diseases of the cow's udder and teats. 60c, postpaid 70c.

Kow Kare. The great cow tonic. 65c, postpaid 73c; 2½ lbs. \$1.25, postpaid \$1.34.

Conkey's Poultry Remedies

Conkey's Old Reliable Powder

Known to poultrymen everywhere as Conkey's Roup Remedy. Keep it on hand for use in emergency or put it in drinking fountains on cold, rainy days or when there is a sudden change in weather. Pkgs. 25c, 50c, \$1.00; 1½-lb. can \$2.35; 5-lb. can \$5.50, postpaid \$5.75.

Conkey's Cold Pills

For colds. Pkgs. 35c and 75c. Breeder size (500 pills) \$1.75, postpaid \$2.00.

Conkey's Balmo

A soothing, cooling application for relieving irritation around swollen eyes and head and in the mouth when treating conditions caused by colds and similar troubles. Pkg. 50c, postpaid 55c.

Conkey's Salvo

Good to have on hand for treating sores, cuts and wounds of any description. Pkgs. 25c and 50c; postpaid 30c and 55c.

Conkey's Dia-Tabs

Play safe—keep this remedy in the drinking water of all baby chicks until danger period of the first few weeks is past. Pkgs. 25c, 50c, \$1.00. Breeder size (950 tablets) \$3.75, postpaid \$3.85.

Conkey's Nox-I-Cide

Paint it on the roosts and spray it into cracks. Spray premises daily when disease is present and once a week as a preventive of red mites, ticks, "blue-bugs" and disease epidemics. Cans: Pt. 40c, postpaid 50c; qt. 60c, postpaid 72c; 2 qts. 90c, postpaid \$1.05; gal. \$1.50, postpaid \$1.75.

Conkey's Pic-end Bitters

A blood-colored distasteful formula to aid in repelling and discouraging cannibalism in poultry. Pkg. 25c, postpaid 30c.

Conkey's Poultry Tonic

Every bird will produce more eggs and better flesh on less feed, by better digestion and assimilation. Pkgs. 1½ lbs. 25c; 3½ lbs. 50c; 7 lbs. \$1.00. Pails, 12 lbs. \$1.60; 25 lbs. \$3.00. Bags, 50 lbs. \$5.00; 100 lbs. \$9.50. Parcel Post, Express or Freight charges extra.

Conkey's Cod-Liver Oil

Laboratory tested. Gal. \$2.00, postpaid \$2.20.

Conkey's Fly Knocker

Does not discolor, is not gummy, does not taint the milk, repels for a long time. Has a knock-down rating of 99 per cent and a kill rating of 73 per cent. Qt. 60c, postpaid 72c; ½ gal. 90c, postpaid \$1.05; gal. \$1.50, postpaid \$1.73; 5 gals. \$7.25, f.o.b. Baltimore.

Conkey's Y-O Yeast and Cod-Liver Oil

In powder form. Lb. 50c, postpaid 60c; 2 lbs. 90c, postpaid \$1.00; 5 lbs. \$1.60, postpaid \$1.75.

Toxite

Very effective in the control of coccidiosis, round worm and red mites, which are transmitted by contaminated litter. Qt. size 50c, postpaid 60c; gal. \$1.50, postpaid \$1.70.

Poultry Supplies

Fleas Give Dogs Exercise But Make Them Uncomfortable

On articles not marked postpaid, allow 8c for the first pound or fraction of a pound, 2c for the second, and 1c for each additional pound

Lee's Remedies

Lee's Acidox. The value of an acid preparation in taking care of birds infected with coccidiosis is quite generally recognized by the poultry industry. 4-oz. bottle 50c, postpaid 55c; 12-oz. bottle \$1.00, postpaid \$1.10; 32-oz. bottle \$2.00, postpaid \$2.15. Descriptive circular on request.

Lee's Lice Killer, Liquid. Qt. 60c, postpaid 72c; 2 qts. 90c, postpaid \$1.05; gal. \$1.50, postpaid \$1.75.

Lee's Germozone. The best tonic for poultry of all kinds. For roup, cholera, and other poultry diseases. 4-oz. bottle 40c, postpaid 45c; 12-oz. bottle 75c, postpaid 85c; 32-oz. bottle \$1.50, postpaid \$1.65; 1/2 gal. \$2.50, postpaid \$2.75; gal. \$4.50, postpaid \$4.75.

Lee's Vapo Spray. For spraying around the roosting quarters at night in cases of roup, canker, bronchitis and pneumonia. Pt. 50c, postpaid 60c; qt. 75c, postpaid 87c; 1/2 gal. \$1.25, postpaid \$1.40; gal. \$2.00, postpaid \$2.22.

Leeemulsion. For roup, colds, bronchitis and pneumonia. 4 ozs. 50c, postpaid 55c; 12 ozs. \$1.00, postpaid \$1.12.

Lee's Gizzard Worm Capsule. Expels worms without sickening the chicken or retarding egg-production. Adult size: 50 capsules 75c; 100 capsules \$1.25. Pullet size: 50 capsules 50c; 100 capsules \$1.00; 500 capsules \$4.50. Chick size: 50 capsules 40c; 100 capsules 75c.

Walko Remedy

Walko Tablets. 50c and \$1.00 pkgs.

Dr. Hess's Poultry Panamin

1 1/2-lb. pkg. 25c, postpaid 31c; 3 lbs. 45c, postpaid 55c; 7 lbs. 85c, postpaid \$1.00; 15 lbs. \$2.00, postpaid \$2.22; 25 lbs. \$3.00, postpaid \$3.32.



TO GUARD AGAINST COLDS • ROUP • BRONCHITIS

"I fight colds and respiratory diseases by dusting with HTH-15. A dry, white powder, containing just the right balance of chlorine, HTH-15 is easy to use. I just dust over the birds on roost with an inexpensive dust-gun—and get all benefits of the chlorine inhalant treatment without disadvantages of moisture."

A little HTH-15 in drinking water helps prevent spread of disease. Disinfect poultry-houses and equipment by spraying regularly with HTH-15 solution. Economical—no waste—effective. Write for literature. Extensively used for dairy farm sanitation in the dairy, on the animals, and in the barns. 1-lb. can 50c, postpaid 60c; 3-lb. can \$1.00, postpaid \$1.12.

Suitable Duster No. 132 for dusting HTH-15, \$1.00, postpaid \$1.10.

Black-Leaf 40

1-oz. bottle 35c, postpaid 40c; 5-oz. bottle \$1.00, postpaid \$1.10; 1-lb. size \$2.25, postpaid \$2.35; 2-lb. tin \$3.25, postpaid \$3.37; 5-lbs. \$5.85, postpaid \$6.00; 10-lb. tin \$10.60, postpaid \$10.75.

"Black Leaf" Worm Powder

A single-dose flock treatment

1/4 lb. (treats 100 birds) 75c; 1 1/2 lbs. (treats 600 birds) \$2.90; 3 lbs. (treats 1200 birds) \$5.60. Pellets. 100 pellets 85c, postpaid 90c.

BURRELL DUGGER REMEDIES

Talcimized Sodium Fluoride

Small size, 1/2 lb. 35c, postpaid 44c; 1 lb. 60c, postpaid 70c; 5 lbs. \$2.50, postpaid \$2.65.

Avicol

For Baby Chicks and Turkeys
50c and \$1.00, postpaid.

Don Sung

Makes Hens Lay

Tablets. 50c, \$1.00, \$5.00, postpaid.
Powdered. 3 lbs. \$5.00; 10 lbs. \$10.00;
25 lbs. \$20.00.

Group-Over

Formerly called Roup-Over. 50c and \$1.00, postpaid 60c and \$1.10.

Connecticut Formula

The Treatment for "Paralysis" and Enteritis

One pound is enough for 100 mature birds. Fed in the drinking water or mixed with mash. Full directions accompany each package. 15-oz. container 75c, postpaid 85c; 5-lb. container \$3.00, postpaid \$3.15.

Pick Rem

Absolutely stops cannibalism. Will stick on wet surfaces. 4-oz. jar 50c; 12-oz. jar \$1.00. Postpaid, add 5c to each.

Sulphur Candles

For fumigating sickrooms, poultry-houses, etc. 15c each, postpaid 22c; 25c for 2, postpaid 33c; \$1.25 per doz., postpaid \$1.38.

Bee Brand Insect Spray

A laboratory-tested product for killing flies, mosquitoes, fleas, ants, roaches, bedbugs, moths, etc. 1/2 pt. 17c, postpaid 25c; pt. 29c, postpaid 39c; qt. 49c, postpaid 60c; gal. \$1.75, postpaid \$2.00.

Spratt's Dog Medicines

For postage, add 5c to each

Sulphur Tablets. For heated blood, etc. \$0 60

Nerve Sedative Tablets. For St. Vitus' Dance, etc. 60

Cough Tablets. 60

Constipation Tablets. A gentle and effective laxative. 60

Astringent Tablets. To relieve diarrhoea. 60

Special Tablets. Used in the treatment of distemper. 1 00

Ear-Canker Ointment. For internal and external use. 75

Ointments. For certain forms of mange and eczema. 60

Purgative Tablets. Safe and effective. 60

Tonic and Condition Tablets. To build up. 60

Capsules. For large, round worms. 15c and 60

Capsules for Puppies. For ascarids and large round worms. 15c and 60

Tonic and Condition Tablets. Toy dogs and puppies. 15c and 60

Special Tablets. For toy dogs and puppies. 60

Dog Soap (White). Contains no carbolic acid or coal-tar but is nicely perfumed and produces a fine lather. 1 00

Cake 25c, postpaid. 30

Diuretic Tablets. 60

Whitewash Lime

Whitewash Lime. 1/2 pk. 30c; pk. 50c; 1/2 bus. 90c; bus. \$1.75. Not mailable.

Burnett's Bird Foods

Postpaid

Lightning Regulator	\$0 25	\$0 32
Unexcelled Bird Food	25	32
Nestling Food	20	25
Bird Nesting	10	15
Bird Nests	10	15
Natural Fish Food	10	12
Wafer Fish Food	10	12
Louse Powder	15	20
Bird Wash	20	25
Catnip Mouse		10

Sergeant's Dog Remedies

Postpaid

Nerve Sedative	\$1 20	\$1 28
Special Medicine	1 20	1 28
Diuretic Pills		60
Mange Medicine	65	75
Condition Pills		60
Sure-Shot Capsules		60
Puppy Capsules	60	70
Sure-Shot Liquid	60	70
Arsenic and Iron Pills		60
Canker Wash	60	70
Cough Medicine		60
Well Mouth (Sore Mouth and Black Tongue)	60	70
Eye Wash		60
Tape Worm Medicine		60
Rheumatism Pills.	For muscular soreness	60
Constipation Capsules		60
Skip-Flea Soap	25	30
Carbolic-Tar Soap		25



One-Spot Flea Killer is so called because it only has to be applied on one spot to kill the fleas all over the animal. 25c size is recommended for use on dogs and cats; 50c size is recommended for bedbugs and ants, and in the small garden against Mexican bean beetles and aphids.

This sensational, money-back guaranteed powder is packed in a convenient metal can, the sides of which can be pressed for dust-gum effect. 25c, postpaid 28c; and 50c, postpaid 54c.

Dri-Bath

Dry Cleaner and Insecticide For Dogs and Cats

Effectively destroys fleas and dog odors. Quick and easy to apply. 25c, postpaid 30c; 8-oz. size 50c, postpaid 60c.

Bee Brand Dog Shampoo

Lathers, cleans. For fleas and lice on dogs, cats and other pets. Head-lice and crab-lice on humans. Non-poisonous when used as directed. 30c, postpaid 38c.

Fleischmann's Irradiated Dry Yeast for Dogs

Gives the coat a beautiful gloss, helps clear up skin disorders, stops itching, builds stronger bones in puppies, prevents rickets. Four Sizes: 3 1/2-oz. can 25c; 8-oz. can 50c; 1-lb. can 85c; 5-lb. can \$3.50. Postage extra.

SPRATT'S PATENT DOG FOODS

These are staple and constant foods containing every ingredient necessary for the canine constitution and forming a complete and well-balanced ration. Millions of dogs have been kept in the best of health on nothing but Spratt's.

Spratt's Biscuits have been the standard of the world for upwards of three-quarters of a century and provide a dog-diet for the dog constitution.



SPIX

A medium-size dog cake for all breeds. The best results are obtained by giving the biscuits dry, not soaked, thereby compelling the dog to gnaw the food and thus producing copious flow of saliva which materially aids digestion. Lb. 15c; 5 lbs. 65c; 10 lbs. \$1.25; 25 lbs. \$3.25; 100 lbs. \$11.50. Postage extra.

OVALS

The Pocket Dog Biscuit

A small, meat-fibrine dog biscuit of superior quality. Appreciated by small, medium and large breeds. Lb. 15c; 5 lbs. 70c; 10 lbs. \$1.35; 25 lbs. \$3.25; 100 lbs. \$12.00. Postage extra.

CHARCOAL BISCUITS (Oval Size)

Charcoal absorbs impure gases in stomach and intestines and acts as a corrective of internal ailments, fetid breath, etc. A few Charcoal Biscuits given regularly each week will be found an excellent safeguard against canine ills. Lb. 15c; 5 lbs. 70c; 10 lbs. \$1.35; 25 lbs. \$3.25; 100 lbs. \$12.00. Postage extra.

MIXED DOG BISCUITS

A mixture of Spix, Ovals, Charcoal Ovals, and Liver Cakes. Price same as Ovals.

FIBO

The standard kibbled food for years for all breeds. Lb. 15c; 10 lbs. \$1.40; 25 lbs. \$3.25; 100 lbs. \$12.50.

ALL TERRIER MEAL For Very Active Dogs

A highly nutritious, tissue-building, muscle-forming, bone-making and conditioning food. Lb. 15c; 5 lbs. 60c; 10 lbs. \$1.15; 25 lbs. \$2.50; 100 lbs. \$9.00. Postage extra.

D & G Dog Foods

Three sizes: Cakes, Kibbled, Puppy Meal

Contain beef, to give the equivalent of a two-thirds meat diet; milk, malt, for digestion and assimilation; molasses, for coat; bonemeal and calcium carbonate, for bone structure; cod-liver oil and alfalfa leaf meal, for vitamins and to improve coat; iodized salt; wheat flour; whole wheat, for proper cereal content. Lb. 10c; 3 lbs. 28c; 5 lbs. 40c; 10 lbs. 80c; 25 lbs. \$2.00; 50 lbs. \$3.75. Postage extra.

D & G MIGHTY GOOD

A cooked meal. Contains meat, milk, linseed meal, soy bean meal, bran, yeast, cod-liver oil, lime, whole wheat, kiln-dried bread-crums, molasses, bonemeal, alfalfa leaf meal, salt, malt and tomato pulp. Lb. 10c; 5 lbs. 40c; 10 lbs. 75c; 25 lbs. \$1.60; 50 lbs. \$3.00; 100 lbs. \$5.50. Postage extra.

BECAUSE OF WAR CONDITIONS, ALL PRICES SUBJECT TO DRASTIC CHANGES

KENNEL FOOD SUPPLY CO. K.F.S DOG FOODS

The formulas of K. F. S. Dog Foods have been tested by practical feeding in kennels for over thirty-five years. Recent feeding tests prove that K. F. S. Foods contain vitamins A, B, D, E, and G, and as these foods are very high in food value, it is not necessary to use as much to obtain satisfactory results. A fair trial will convince any dog-owner that K. F. S. Foods are economical to feed and will keep any breed of dog in the best of condition.

C. F. MEAT BISCUITS

These biscuits are excellent for the large breeds. There are four biscuits to a pound and make a complete diet. Lb. 10c; 5 lbs. 45c; 10 lbs. 80c; 25 lbs. \$1.90; 50 lbs. \$3.75; 100 lbs. \$7.25. Postage extra.

CERO-MEATO

Cero-Meato contains about 12 per cent meat, so it is not necessary to add meat to supplement this food, which has been proven by tests to contain all the necessary ingredients to make a well-balanced ration. Lb. 10c; 5 lbs. 45c; 10 lbs. 80c; 25 lbs. \$1.90; 50 lbs. \$3.75; 100 lbs. \$7.25. Postage extra.

How Much to Feed Your Dog

A general rule, which is often quoted, is to allow about half an ounce to every pound weight of the dog. However, this applies to meat and foods containing a very heavy percentage of moisture.

Age, weight, and condition of the dog must be considered and, generally speaking, the dog's appetite should prove a fair guide. Do not overfeed; see that each meal is eaten up clean. The following table shows approximate daily quantities sufficient for a grown dog.

Pekingese, etc.....	From 2 to 3 ozs.
Bostons, etc.....	From 4 to 6 ozs.
Airedales, etc.....	From 10 to 16 ozs.
Shepherds, etc.....	From 1 to 1 1/4 lbs.
Great Danes, etc.....	From 1 1/2 to 2 lbs.

Framingham Cedar Bedding

Preferred by many dog-owners. Lb. 30c, postpaid 40c; 10 lbs. \$1.25, postpaid \$1.43; 25 lbs. \$2.25, postpaid \$2.50; 50 lbs. \$3.75; 100 lbs. \$6.50. 50 lbs. and 100 lbs. f.o.b. Baltimore.

Cedar Kennel Bedding

Clean and fragrant. The oil of Cedar wood in this bedding is the dog's natural friend as it is very offensive to fleas and other insects. The aroma also counteracts animal odors. 5-lb. bag 50c, postpaid 63c.

Dog Feeders

Galvanized. Unupsettable Dog Feeders made of heavy, galvanized ware, 8 inches in diameter. 75c, postpaid 85c.

Earthenware. Glazed. 7 in. in diameter. 30c, postpaid 45c.

Unupsettable. 40c, postpaid 55c.

Bee Brand Insect Spray

A household insecticide. Kills flies, mosquitoes, fleas, etc. 1/2pt. 17c, postpaid 25c; pt. 29c, postpaid 39c; qt. 49c, postpaid 60c; gal. \$1.40, postpaid \$1.55.

Common Sense Exterminator



Why feed rats
when a 25c can of
"Common Sense"
will clean them
out?

"Common Sense" has been on the market for nearly fifty years. It does the work or we would not handle it.

Get a tube NOW and if you do not find it entirely satisfactory, we will refund your money.

K-R-O (Kills Rats Only)

Will not injure human beings, livestock, dogs, cats, poultry, yet is deadly to rats and mice every time. Made of powdered squill recommended by the U. S. Dept. of Agriculture in their latest bulletin on "Rat Control." Pkg. (sufficient to kill 200 or more rats) 75c, postpaid 80c.

Pastoxine

Non-Poisonous. Concentrated

Positively no danger to man, domestic animals and poultry. It is non-poisonous as well as repulsive to them. Pastoxine possesses ingredients that are exceedingly appetizing to the rats and mice. It develops symptoms that bring rats and mice out into the open to die. Pastoxine is guaranteed to be as represented.

No. 1. Net contents 28.33 grams (will kill 100 rats and mice). 60c, postpaid 65c. Large size (enough to kill 2000 rats), \$5.00, postpaid \$5.15.

Rat-Nots

An effective remedy for the quick and sanitary extermination of rats. Safe and harmless to humans and domestic animals. Household Size 25c, postpaid 30c. Estate or Farm Size \$1.00, postpaid \$1.10.

R-L Mouse Seed

Clean, ready for use, no bait, no muss. 25c, postpaid 30c.

Pest-O-Way

A Seed That Kills Mice

"Pest-O-Way" is clean, quick and dependable. It is fed to mice as it comes from the package. They eat it readily. You will be surprised at the quick results. 25c, postpaid 30c.

Cyanogas

Calcium Cyanide (Crude)—A-Dust

Kills rats, mice, moles, pocket gophers, ground squirrels, woodchucks, ants, fleas, bees, roaches, and moths. 1/2lb. 45c, postpaid 55c; lb. 75c, postpaid 85c; 5 lbs. \$3.00, postpaid \$3.15.

Wire Rat Traps

New design. Easy to set; easy to empty. Catches them alive. \$1.00, postpaid \$1.15.

Sergeant's Disinfectant

An antiseptic germicide, insecticide and deodorant, stronger, safer and cleaner than carbolic acid. 12-oz. bottle 50c, postpaid 60c.

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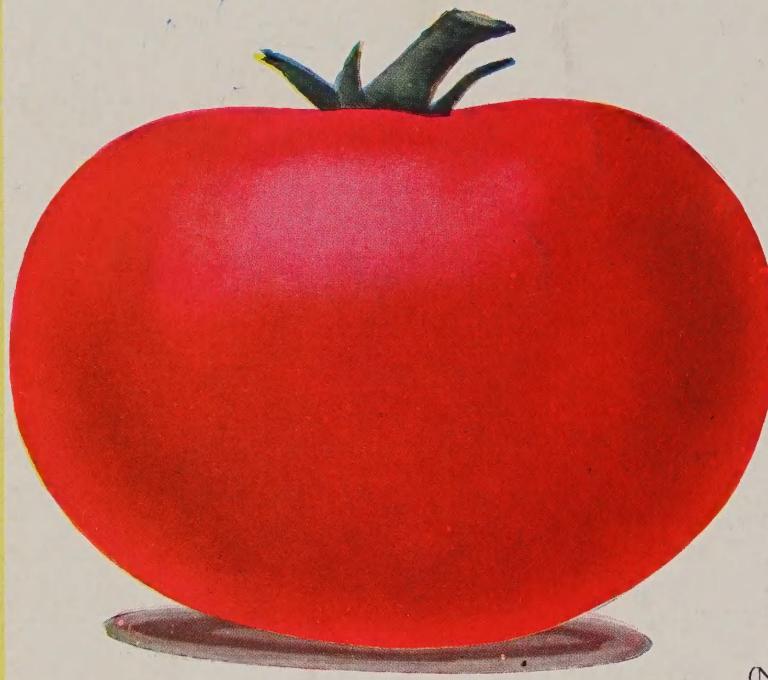
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Pkt. 10c

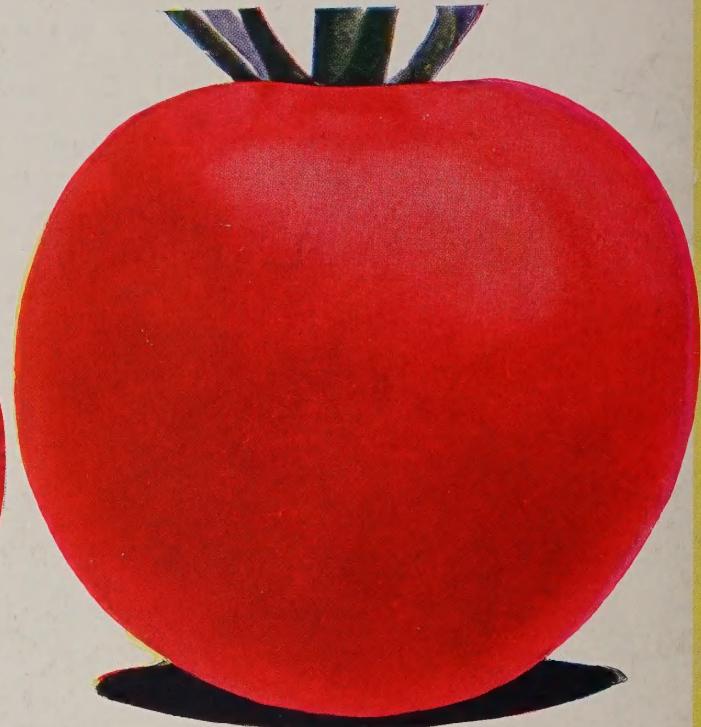
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